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ABSTRACT

The document is the report of a research project designed to provide occupational employment projections for the State of Pennsylvania through the development and use of a computer-based system. Section 1 of the report (11 pages) discusses the three projection methods used: two recommended by the Bureau of Labor Statistics, one an econometric method and the other a regression method; and one prepared by the National Planning Association, a modification of the Bureau of Labor Statistics' regression method. Section 2 of the document (125 pages) presents occupational employment figures on each of 469 occupations for the 1960 and 1970 and the growth factor for each over the decade. In all, 12 sets of such figures are provided: one for the State as a whole; one each for the 12 Standard Metropolitan Statistical Areas (SMSAs) of Allentown-Bethlehem, Altoona, Erie, Harrisburg, Johnstown, Lancaster, Philadelphia, Pittsburgh, Reading, Scranton, Wilkes-Barre, and York; and one for the remainder of the State. All of the matrices are residence-based, that is, they describe the occupation of employed persons at their place of residence. Appendixes include a flow chart, a short list of references, and a map of the State. (JR)

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Historical Estimates, 1960-1970, of Occupational Employment For the State SMSA's and Balance of State

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INTRODUCTION

The Pennsylvania Department of Education has an important responsibility for providing leadership in educational program planning and coordination in the Commonwealth. Many and varied resources have been allocated at certain levels to work towards meeting that objective. One effort which is a function of the Bureau of Information Systems is to conduct manpower research and provide relevant data for program planning and decision-making.

With this charge, the Bureau of Information Systems in cooperation with the Office of State Planning and Development initiated an ambitious research project (1). It is designed to provide occupational employment projections for short- and long-term periods.

The purpose of this publication is to report on the progress of this research effort and to acquaint educational planners with the various manpower projection techniques that are now being used by the Bureau of Information Systems and others.

In Section II of this report, preliminary data are presented. For the historical years 1960 and 1970, employment figures are shown for 469 occupational classifications. These data are especially important because they provide benchmarks for making predictions about future trends in occupational employment.

We are hopeful that you will take the time to review the data for your geographic area and that you will let us have your comments and suggestions. The report also contains statements of methodology which the reader should find useful in his review of the data.

Nature and Scope of the Research

The primary purpose for initiating this project was to make occupational information available to state and local educational planners. It was felt that this type of information could help provide a rational basis for structuring vocational programs in the Commonwealth. For the Office of State Planning and Development, this effort was a logical extension of their projections of employment by industry as found in their Pennsylvania Projection Series.

This project has resulted in the development of a computer-based system for preparing projections of employment by industry and by occupation. The geographic coverage includes 12 standard metropolitan statistical areas (SMSA), nonmetropolitan area (so-called balance of state) and the Commonwealth. In reports scheduled for publication later this year, the data for each area will be displayed in a table detailing approximately 80 Standard Industrial Classifications and 469 occupational titles. Each table will include historical data for 1960 and 1970 and projections for 1975, 1980, 1985 and 1990. In addition, projections of employment will be presented annually for the years 1970 through 1980.

These employment data are defined as "total job" counts at place of work which includes wage and salary, self-employed individuals and unpaid family workers. The two jobs held by the dual job holder are counted as two.

Status of Work

Presently, staff members from the Bureau of Information Systems and the Office of State Planning and Development are reviewing the interim data. It should be clear that the nature and scope of this project will not produce immediate and absolute accuracy. This, in large measure, can be attributed to the dynamics of relevant variables both considered and taken into account, and those considered but not taken into account. However, through the careful analysis by many individuals, we can hope to obtain, within reason, useful occupational data.

It is our intention to have individuals at both the state and local levels who possess a knowledge of labor market conditions evaluate these figures. Following this review process we will make the necessary changes and then disseminate the data and information to educational program planners and decision-makers.

Upon completion of the review process and subsequent adjustments, these figures will be released for use to assist in the making of many program planning decisions at both the state and local levels. We intend to provide users with detailed data showing historical and projected occupational employment by labor market area. Also, tables showing the occupation by industry employment mix will be made available upon request. Further, the employment figures and the related growth factors will be used as input for the occupational supply/demand model used by the Bureau of Information Systems. Briefly, this model will provide for the generation of labor market profiles. These profiles will define the unmet occupational needs ranked according to selected priorities. It is our hope that this information will provide the planners and decision-makers with relevant labor market data in an understandable form.

Historical Development of Pennsylvania Occupational Employment Projections

There were two major studies prior to this current effort towards providing the Commonwealth with projections of occupational employment data. The first major effort to develop a statewide system for projecting occupational employment culminated with the study "Manpower in Pennsylvania" completed by the Bureau of Economic and Business Research of Temple University, under contract with the Pennsylvania Department of Commerce's Bureau of Community Development (2). This project resulted in the development of a system which estimated labor force and manpower figures for every Pennsylvania county for the years 1940-1963, with projections to 1980. As a result of this study, the following data series were developed:

- labor force by age, sex and race (14 counties), by residence, and unemployment, by residence.
- employment by industry, by residence and establishment.
- employment by broad occupation groups, by residence.

The second major effort was undertaken in conjunction with a comprehensive study of vocational education in Pennsylvania (3). In an effort to define the economic profile of the state, a number of analyses were performed. One analysis involved the preparation of occupational employment figures for the state and substate areas.

These projected employment figures were based upon the methodology in the United States Bureau of Labor Statistics' publication, Tomorrow's Manpower Needs (4). The methodology developed used an occupational matrix reflecting changes to 1975 in occupational staffing patterns caused by economic, technological and demographic developments. This methodology was adapted by the Labor Market Information Section of the Pennsylvania Bureau of Employment Security to the Pennsylvania industrial and occupational structure and to trends in its economy.

The preceding discussion has identified what are believed to be the two most significant efforts over the past years toward providing Pennsylvania with a comprehensive system designed to project occupational employment. Recent efforts to update and improve upon these existing projection systems will be discussed in detail in Section I of this publication following a detailed discussion of certain methods used in earlier efforts. Section II will then provide the reader with information concerning Pennsylvania 1960 and 1970 historical employment figures with growth factors. These figures were the bases for projecting the occupational employment through 1990. These projections will be published in a later report.

Section I

Projection Methods

Manpower Forecasting

Although there are many techniques for projecting occupational employment, most of the methods conform to one or a combination of approaches. Those which could be considered as short term estimates include employers' needs survey and the unfilled job openings. Those of a long-term classification include trend analysis and extrapolation, and econometric based industry/occupation analysis.

The short-term procedures have been used extensively by those individuals involved in manpower planning and educational program planning. The basic limitation to using those methods has been that projections based on them are subject to large error margins if used for long-range planning. In addition, the employers' needs survey approach is time-consuming and costly.

Long-range forecasts of employment by occupation are usually based on trend analysis and/or econometric models. Future employment by occupation can be approximated by extrapolating past trends, but any estimates must be tempered by the industry/occupation mix in the particular geographic area and by technological change.

Three methods for estimating future occupational demands will be summarized: two recommended by the Bureau of Labor Statistics and one prepared by the National Planning Association (NPA) for the Department of Education and the Office of State Planning and Development. All three methods start with a projection of employment by industry. The Bureau of Labor Statistics recommends two methods for projecting employment by industry: an econometric method and a regression method. While BLS lists the econometric method as the preferred one, it recommends the regression method for its ease of preparation. The NPA projection of occupation is tied to the Office of State Planning and Development projection of employment by industry. This will be briefly summarized in the following narrative.

Industry Employment

The Office of State Planning and Development (OSPD) projections of employment by industry at the place of work were based on a synthesis of several theories of economic growth and change. The Pennsylvania projection model drew heavily on economic base theories which classified employment as basic and nonbasic, and which defined multiplier relationships between the two types of employment. The projection model further relied on econometric models which generate projections of state and national employment. The state and national projections in question had been prepared by the National Planning Association.

Historically, it had been observed that the substate or labor market area's share of basic employment in a larger trade area, such as a state or a group of states, remains fairly stable. By extrapolating the trend of the labor market area's share of basic employment and using the projected employment in the larger trade area, a projection of employment in the local labor market was derived. A projection of nonbasic employment was then derived through use of the multiplier relationships between basic and nonbasic employment. Industry projections of employment were used to set control totals for the occupation projections.

Bureau of Labor Statistics Methods

Two basic methods were developed by the Bureau of Labor Statistics for estimating occupational employment. The first area projection Method A is less complex compared with Method B. It requires national industry/occupation matrices for two years (a historical year and a projection year) and estimates of the local area industry employment in the corresponding historical and projection years. The national industry/occupation pattern is then applied to the local industry employment. This step is based on the assumption that national projections of occupation will reflect technological change, and that the local occupational structure is not radically different from the national pattern. If these assumptions are valid, annual growth changes for the local area can then be derived.

Method B attempts to avoid the crude assumption that the local occupational mix is similar to the national structure. Like Method A, Method B uses the national industry/occupational matrix in a historical year and a projected year. In addition, a comparable local industry/occupational matrix is set up for the same historical year. A projection of employment by industry in the local area is an additional requirement before employment can be projected by occupation for the projection year.

Within each industry each occupation is listed as a proportion or per cent of the total in that industry. Change at the national level is measured by the change of these proportions between the base year and the projected year. The national change ratio is multiplied by the base year local proportion to yield an estimate of the proportion in that occupation in a given local industry. These estimates or projected ratios are then applied to the projected local industry for that year to yield employment by occupation in the projection year of interest. Equations used for Method A and B are shown on page eight.

The Bureau of Labor Statistics is now working on a revision of national projections of occupation to 1980 and 1985 based on the 1970 census benchmark.

National Planning Association Method

The method developed by the National Planning Association (NPA) is a modification of the Bureau of Labor Statistic Method B. As such, it relies heavily on state and local area data. Projected national trends in occupational staffing patterns would have been used, but this data had not been completed by the Bureau of Labor Statistics during the initial preparation of the occupational projections.

Industry/occupation matrices were prepared for the state, 12 SMSA's and the balance of the state for the years 1960 and 1970. Since the 1960 and 1970 matrices both contained 469 occupational classifications and 88 industry classifications, employment changes in either industry or occupation could be measured during the 10-year period.

Specifically in each industry, the per cent distribution of employment by occupation was computed for 1960 and 1970. The difference between the 1970 and 1960 distributions was derived. The initial 1980 occupational distribution was obtained by adding the difference to the 1970 distribution. Negative shares were automatically converted to zero. The summation of all shares within an industry were forced to equal unity. Industry employment for 1980 was then multiplied by the corrected 1980 occupational distribution to obtain the projection of employment by occupation.

The above process was then repeated using the historical 1970 and the projected 1980 matrices to obtain projected employment by industry and occupation for 1990. For the intervening years, 1975 and 1985, projections were obtained by interpolating between 1970 and 1980, and between 1980 and 1990. Obviously, these projections are based on Pennsylvania experience and trends only. Input from national projections of technological change might differentially affect the occupational mix of industries. When these national projections become available, the Pennsylvania occupational projections will be reviewed to revise them in light of national projections reflecting technological change.

1960-1970 Historical Growth Rates

The accompanying tables present the estimated 1960 and 1970 employment in 469 occupations for the state, the SMSA's and for the balance of the state not included within the SMSA areas. Growth factors have also been included for each occupation which indicate the relationship of the 1970 occupational employment to that of 1960. These growth factors were determined in the following manner:

$$\text{Growth factor}_j = \text{1970 employment}_j \div \text{1960 employment}_j$$

where: $_j$ = occupation

For example:

Pennsylvania 1960 total employment = 4,306,220

Pennsylvania 1970 total employment = 4,870,621

Growth Factor = 4,870,621 ÷ 4,306,220

= 1.1310

This factor provides an approximation of the 1960-1970 occupational growth or decline.

Data Sources and Preparation

Much of the work involved in preparing the projections of occupations related to securing and preparing data for two sets of matrices for the state, the 12 metropolitan areas and the nonmetropolitan balance of the state. This section

describes the procedures that were followed in order to create these matrices. The flow chart of the projection methodology presents the same information in a graphic manner. (Refer to page 139)

Occupation and industry dimensions of the matrix were initially determined by a special tabulation prepared by the United States Bureau of Labor Statistics (BLS) in cooperation with the United States Manpower Administration, which obtained 1970 census tapes from the Bureau of the Census. The 1970 state matrices were given to the respective state bureaus of employment security to aid them in the preparation of manpower planning programs. The Pennsylvania Bureau of Employment Security made the Pennsylvania state matrix available to the Department of Education and the Office of State Planning and Development. The Pennsylvania matrix contained 230 industries and 430 single occupational titles and 39 totals and subtotals. In addition to these statewide matrices, the Bureau of Labor Statistics is preparing similar industry/occupation matrices for the major metropolitan areas. These matrices for local areas had not been completed at the time the current industry/occupation projection described here was being prepared.

1970 Matrix. The large 469 by 230 state matrix for 1970 was then rearranged into 469 occupations and 88 industries by aggregating the 230 two- and three-digit industries into 88 two- and one-digit industries in the Office of State Planning and Development Pennsylvania Projection Series. This 469 by 88 matrix became the standard for preparing all other matrices. Not all of the 88 two-digit industries were maintained through the projection of occupations. Agricultural employment at the two-digit level was not available in the industrial employment series. Initially, occupation data for the two-digit construction industry was not available, and as a consequence, occupations were projected for the total construction industry.

Table 180 of the 1970 Census, Detailed Characteristics, presented 50 industry by 82 occupation matrices for the 10 largest SMSA's. In expanding the smaller matrices to the 88 industry by 469 occupation size, it was assumed that the metropolitan areas had the same occupational staffing pattern as the state. Before the State pattern was applied to the metropolitan areas, the New Jersey counties of the Allentown-Bethlehem and Philadelphia SMSA's were subtracted by using county information on occupation. Large 88 by 469 matrices for the two smallest SMSA's of Altoona and Scranton and the nonmetropolitan balance of the state were estimated. Two matrices for the balance of the state were obtained by subtracting the metropolitan areas from the state total; the initial balance of state matrix included Altoona and Scranton, the final balance of state matrix represented the nonmetropolitan counties of the State. After applying the state pattern industry and occupation, vectors in the metropolitan matrices were summed, rechecked with the state and large metropolitan vectors displayed in Table 171 of the Detailed Characteristics and made to conform to the original state vectors.

All of the matrices were residence based, that is, they described the occupation and industry of employed persons at their place of residence. The matrices were adjusted to place of work using Office of State Planning and Development historical data on employment by industry. It was assumed that occupation had the same distribution within an industry whether at residence or place of work.

Because the 1960 and 1970 census data detailed occupational employment by the residence of the employed person, adjustments were made so that the industry/occupational structure would reflect employment by the place of work (number of jobs). For example, if a person resided in the York SMSA but worked as a machinist at Bethlehem Steel in the Harrisburg SMSA, the census would include that information in the York SMSA. By adjusting the census data, that person, or rather the job machinist, would be included in the Harrisburg SMSA. Similarly, that person's job would become a part of the primary metal industry's total employment for the Harrisburg SMSA.

1960 Matrix. For the tabulation of the 1960 occupation data, the Bureau of the Census used a list of 296 occupations, a much shorter list than the 469 occupation used in 1970. There were four general types of revisions made between 1960 and 1970 which increased the number of job titles:

1. 1960 occupational titles were split into two or more occupations. For example, "judges and lawyers" became "judges" and "lawyers."

2. Portions of an occupational class were reclassified and shifted. In 1960 porters included such diverse activities as cleaning and baggage carrying; in 1970 porters were redefined as "cleaners and charwomen," "baggage porters and bellhops," and "vehicle washers and equipment cleaners."

3. The classic abbreviation, "n.e.c.," not elsewhere classified, was reexamined for inclusion of a larger number of persons, or a growth occupation. For example, 1960 "professional, technical and kindred, n.e.c." personnel in the computer sciences were identified as "computer programmers," "computer systems analysts," and "computer specialists, n.e.c." in 1970.

4. An attempt was made to eliminate industrial overtones in some occupational categories.

These changes and listing of the 1970 occupations in terms of their 1960 titles were presented in the Bureau of the Census, Technical Paper Number 26 (5). The 1970-1960 conversion factors were based on a national sample of 100,000 cards drawn from the 1960 census. The Bureau of the Census also had unpublished material on the conversion of 1960 titles in terms of their 1970 elements. These unpublished conversion factors were used in one of the intermediate steps in building 1960 matrices for the state and metropolitan areas.

In addition to the differences in occupational classification, the number and size of the 1960 occupational matrices were smaller. Table 125 in the 1960 Detailed Characteristics displayed matrices with 45 industries by 64 male occupations and 37 female occupations for the state and the nine larger SMSA's. While there was no large state matrix, the Bureau of the Census had prepared a large unpublished 296 occupation by 180 industry matrix for the northeastern states (6). Since Pennsylvania was a major part of the northeast, it was not unreasonable to assume that the northeast occupation pattern was applicable to Pennsylvania.

The 180 industries in the northeast matrix were aggregated to 88 industries before this pattern was applied to the small state and SMSA matrices. Occupation vectors by sex in the expanded matrices were checked against separate totals which were presented in Table 121 of the 1960 Detailed Characteristics. After the occupational vectors had been checked, male and female occupations were added together. The 269 occupations were expanded to the 469 occupations using the conversion factors mentioned above. Matrices for the three smaller SMSA's of Altoona, Scranton and York, and for the nonmetropolitan balance of the state were derived in much the same way as these matrices had been prepared in 1970. All matrices were finally adjusted to place of work.

Standard Metropolitan Statistical Areas. In 1960 and 1970, Pennsylvania had 12 metropolitan areas: Allentown-Bethlehem, Altoona, Erie, Harrisburg, Johnstown, Lancaster, Philadelphia, Pittsburgh, Reading, Scranton, Wilkes-Barre and York. Between 1960 and 1970 there were two changes in the definition of metropolitan areas. Adams County was added to the York SMSA, and Perry County was added to the Harrisburg SMSA. Employment data in the projections by industry had been compiled by the 1970 definitions of metropolitan areas. When the occupation matrices were converted from residence to place of work, the control totals were the industry totals of the SMSA's outlined by the 1970 definitions. As a consequence, no special correction was necessary to add 1960 Perry and Adams County data to the occupation matrices. In the conversion of residence to place of work, it was assumed that Adams and Perry counties had the same occupational patterns as the major portion of the SMSA.

Susquehanna County, which is a part of the Binghamton, New York SMSA, has been treated as a nonmetropolitan county. Since 1970 there have been a certain number of changes in the delineation of SMSA's in Pennsylvania, but thus far, these changes have not been incorporated into the employment data and projections of the Office of State Planning and Development's Pennsylvania Projection Series.

Equations

Method A. The equation for Method A as shown in Tomorrow's Manpower Needs is:

$$L_j(Y_1) = \frac{\sum_{i=1}^{n} f_{ij}(Y_1)\, L_i(Y_1)}{\sum_{i=1}^{n} f_{ij}(Y_o)\, L_i(Y_o)} \cdot L_j(Y_o)$$

Method B. The equation for Method B is:

$$L_j(Y_1) = \sum_{i=1}^{n} L_{ij*}(Y_1) \cdot L_i(Y_1)$$

where:

$$L_{ij*}(Y_1) = \frac{f_{ij}(Y_1)}{f_{ij}(Y_o)} \cdot L_{ij*}(Y_o)$$

L_{ij} is local employment by industry i and occupation j.

L_i is total local employment in industry i.

f_{ij} is national share of occupation j in industry i.

L_{ij*} is local share of occupation j in industry i.

L_j is total local employment in occupation j.

Y_1 is projected year.

Y_o is base year.

National Planning Association Method. The steps followed in the projection were: compute in each industry i, the occupation or distribution R, for each occupation j, in the first time period t, from employment N.

$$ {}_{t}R_{ij} = {}_{t}N_{ij} / {}_{t}N_{i} $$

where:

$$ \sum_{j=1}^{k} {}_{t}N_{ij} = {}_{t}N_{i} $$

And in the second time period t+1, or 10 years after the initial period:

$$ {}_{t+1}R_{ij} = {}_{t+1}N_{ij} / {}_{t+1}N_{i} $$

The projected occupation pattern was obtained in the following equation:

$$ {}_{t+2}R_{ij} = {}_{t+1}R_{ij} + {}_{t+1}R_{ij} - {}_{t}R_{ij} $$

If ${}_{t+2}R_{ij}$ is less than 0, then ${}_{t+2}R_{ij} = 0$.

The ratios in each industry were forced to equal one. The projected ratios were applied to the projected industrial employment in the time period t+2, or 20 years after the initial year.

$$ {}_{t+2}N_{ij} = {}_{t+2}R_{ij} \cdot {}_{t+2}N_{j} $$

where:

$$ \sum_{i=1}^{k} {}_{t+2}N_{ij} = {}_{t+2}N_{j} $$

Annual Growth Rates. Projections of occupations were made initially for a period of 10 years. Five-year projections were prepared through interpolation. Annual projections of occupation were prepared by calculating annual compound growth rates. The purpose of annual projection was the development of an occupational time series against which the actual annual changes in occupation can be measured.

The 1970-1980 decade was divided into two five-year periods. In each occupation, the number of persons in the occupation was represented by O_{70}, O_{75} and O_{80}. The compound rate of growth during the first half of the decade was:

$$R_1 = (O_{75}/O_{70})^{1/5} - 1.0$$

And in the second half:

$$R_2 = (O_{80}/O_{75})^{1/5} - 1.0$$

These rates may also be regarded as the midpoint rates, that is, the rates for 1972-1973 and for 1977-1978. To find the compound growth rates for the other years in the decade, these midpoint rates were adjusted.

In the first half of the decade, the adjusted rate for each year (1970-1971, 1971-1972, 1972-1973, 1973-1974, 1974-1975) was:

$$A_y = 1.0 + R_1 + \frac{(R_2 - R_1) \cdot P}{5}$$

And in the second half:

$$A_y = 1.0 + R_2 + \frac{(R_2 - R_1) \cdot P}{5}$$

The value of P depended on the year (y) for which the adjusted rate was calculated. In the first half of the decade:

$$P = i - 3$$

where i or the initial year was 1970-1971. In the second half of the decade:

$$P = i + 2$$

where i or the initial year was 1975-1976.

The preliminary annual estimate of persons in an occupation was obtained by multiplying employment in the base or initial year by the adjusted annual rate. Since employment in the terminal year of a five-year span may not equal the original projection of employment for 1975 or 1980, adjustment factors were computed to force the new 1975 and 1980 estimates into line and to adjust employment in the previous year.

SECTION II

Employment and Growth Factors, 1960 and 1970 in Pennsylvania

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PENNSYLVANIA

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL OCC	4306220.	4870621.	1.1310
2	PROF TECH AND KINDRED	441510.	640176.	1.4499
3	ACCOUNTANTS	30411.	39575.	1.3013
4	ARCHITECTS	2047.	2962.	1.4466
5	COMPUTER SPECIALISTS	759.	15052.	19.8104
6	COMPUTER PROGRAMMERS	511.	9578.	18.7256
7	COMP SYSTEMS ANALYSTS	207.	4942.	23.8023
8	COMPUTER SPEC. NEC	40.	531.	13.0727
9	ENGINEERS	53917.	72208.	1.3392
10	AERONAUT AND ASTRON ENG	748.	1772.	2.3692
11	CHEMICAL ENGINEERS	3213.	3908.	1.2164
12	CIVIL ENGINEERS	8006.	8809.	1.1003
13	ELECTR AND ELECTRO ENG	11581.	15534.	1.3413
14	INDUSTRIAL ENGINEERS	8806.	11925.	1.3541
15	MECHANICAL ENGINEERS	9962.	10959.	1.1001
16	METALLUR AND MATER ENG	1487.	2185.	1.4698
17	MINING ENGINEERS	381.	337.	0.8858
18	PETORLEUM ENGINEERS	376.	93.	0.2463
19	SALES ENGINEERS	4924.	4311.	0.8753
20	ENGINEERS, NEC	4429.	12368.	2.7924
21	FARM MANAGEMENT ADVISORS	125.	212.	1.6944
22	FORESTOR $ CONSRVATIONIST	711.	908.	1.2765
23	HOME MANAGEMENT ADVISORS	302.	142.	0.4697
24	LAWYERS AND JUDGES	10676.	12778.	1.1968
25	JUDGES	508.	526.	1.0344
26	LAWYERS	10167.	12252.	1.2050
27	LIBRARIANS ARCHIV CURATOR	3931.	7647.	1.9451
28	LIBRARIANS	3834.	7239.	1.8878
29	ARCHIVISTS AND CURATORS	96.	407.	4.2140
30	MATHEMATICAL SPECIALISTS	1241.	1695.	1.3656
31	ACTUARIES	161.	290.	1.7952
32	MATHEMATICIANS	344.	310.	0.9018
33	STATISTICIANS	735.	1094.	1.4886
34	LIFE $ PHYSICAL SCIENT.	11473.	12710.	1.1078
35	AGRICULTURAL SCIENTISTS	278.	344.	1.2366
36	ATMOSPHERIC $ SPACE SCI	173.	142.	0.8196
37	BIOLOGICAL SCIENTISTS	532.	1507.	2.8293
38	CHEMISTS	8992.	9243.	1.0279
39	GEOLOGISTS	332.	347.	1.0462
40	MARINE SCIENTISTS	0.	51.	51.6505
41	PHYSICISTS AND ASTRONOM	930.	943.	1.0140
42	LIFE AND PHYS SCIEN NEC	233.	130.	0.5569
43	OPERATIONS $ SYST RESEAR	1486.	5394.	3.6282
44	PERSONNEL $ LABOR REL WOK	6259.	17382.	2.7769
45	PHYSICIANS,DENTISTS $ REL	32319.	35051.	1.0845
46	CHIROPRACTORS	900.	822.	0.9127
47	DENTISTS	6208.	5976.	0.9626
48	OPTOMETRISTS	984.	1203.	1.2214
49	PHARMACISTS	6335.	6863.	1.0833
50	PHYSICIANS$ MED $ OSTEO	16761.	18847.	1.1244
51	PODIATRISTS	516.	595.	1.1524
52	VETERINARIANS	611.	722.	1.1810
53	HEALTH PRACTITIONERS NE	0.	21.	21.5226
54	NURSES, DIETITIANS $ THER	48768.	66985.	1.3735
55	DIETITIANS	1686.	2157.	1.2791

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PENNSYLVANIA

		1960	1970	1960-70
56	REGISTERED NURSES	45391.	60147.	1.3250
57	THERAPISTS	1690.	4680.	2.7680
58	HEALTH TECHNOLOG $ TECHIC	7546.	15473.	2.0505
59	CLIN LAB TECHNO $ TECHN	3406.	7159.	2.1015
60	DENTAL HYGIENISTS	356.	806.	2.2636
61	HEALTH RECORD TECH	457.	569.	1.2456
62	RADIOLOGIC TECH	2304.	3239.	1.4055
63	THERAPY ASSISTANTS	36.	110.	3.0534
64	HEALTH TECH, NEC	985.	3589.	3.6416
65	RELIGIOUS WORKERS	18571.	15124.	0.8143
66	CLERGYMEN	13167.	13363.	1.0148
67	RELIGIOUS WORKERS, NEC	5404.	1760.	0.3258
68	SOCIAL SCIENTISTS	2381.	5598.	2.3511
69	ECONOMISTS	1473.	3374.	2.2904
70	POLITICAL SCIENTISTS	0.	33.	33.3639
71	PSYCHOLOGISTS	777.	1572.	2.0223
72	SOCIOLOGISTS	0.	43.	43.0485
73	URBAN AND REG PLANNERS	55.	478.	8.6163
74	SOCIAL SCIENTISTS, NEC	75.	96.	1.2899
75	SOCIAL AND RECR WORKERS	7525.	14589.	1.9387
76	SOCIAL WORKERS	5958.	12312.	2.0662
77	RECREATION WORKERS	1566.	2277.	1.4535
78	TEACHERS, COLLEGE $ UNIV	11660.	27235.	2.3356
79	AGRICULTURE TEACHERS	256.	236.	0.9205
80	ATMOS, EARTH, MAR $ SPA	36.	288.	7.8654
81	BIOLOGY TEACHERS	489.	1012.	2.0698
82	CHEMISTRY TEACHERS	521.	922.	1.7676
83	PHYSICS TEACHERS	586.	752.	1.2820
84	ENGINEERING TEACHERS	627.	988.	1.5738
85	MATHEMATICS TEACHERS	668.	1519.	2.2733
86	HEALTH SPECIALT TEACHER	301.	1475.	4.8881
87	PSYCHOLOGY TEACHERS	73.	695.	9.4717
88	BUS. $ COMMERCE TEACHER	379.	569.	1.5011
89	ECONOMICS TEACHERS	224.	694.	3.0971
90	HISTORY TEACHERS	558.	876.	1.5683
91	SOCIOLOGY TEACHERS	36.	375.	10.2340
92	SOCIAL SC TEACHERS NEC	232.	527.	2.2715
93	ART, DRAMA $ MUSIC TEAC	837.	1489.	1.7793
94	COACHES $ PHYSICAL ED	438.	908.	2.0692
95	EDUCATION TEACHERS	379.	364.	0.9605
96	ENGLISH TEACHERS	1214.	2131.	1.7543
97	FOREIGN LANG TEACHERS	424.	1312.	3.0937
98	HOME ECONOMICS TEACHERS	0.	96.	96.9652
99	LAW TEACHERS	36.	123.	3.3699
100	THEOLOGY TEACHERS	118.	492.	4.1621
101	TRADE, IND $ TECH TEACH	36.	138.	3.7773
102	MISCELL. TEACHERS, COLL	338.	908.	2.6836
103	TEACHERS, CC $ UNIV NEC	2841.	8331.	2.9325
104	TEACHERS, EX CC $ UNIV	105797.	158462.	1.4977
105	ADULT EDUCATION TEACHER	2166.	1879.	0.8675
106	ELEMENTARY SCH TEACHERS	55270.	76910.	1.3915
107	PREKIND $ KINDERG TEACH	3972.	5840.	1.4702
108	SECONDARY SCH TEACHERS	36637.	64812.	1.7690
109	TEACHERS, NEC	7750.	9019.	1.1637
110	ENGN $ SC TECHNICIANS	45930.	58373.	1.2709

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PENNSYLVANIA

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	2420.	1539.	0.6359
112	CHEMICAL TECHNICIANS	4345.	4101.	0.9437
113	DRAFTMEN	19066.	25691.	1.3474
114	ELEC $ ELECTRON ENG TEC	7082.	8689.	1.2269
115	IND ENG TECHNICIANS	1429.	1590.	1.1125
116	MECHNICAL ENG TECH	1056.	821.	0.7776
117	MATHEMATICAL TECHNICIAN	0.	39.	39.8185
118	SURVEYORS	2179.	2957.	1.3565
119	ENG $ SC TECH, NEC	8349.	12942.	1.5500
120	TECHN, EX HEAL ENG $ SC	2863.	5000.	1.7464
121	AIRPLANE PILOTS	721.	1390.	1.9279
122	AIR TRAFFIC CONTROLLERS	403.	482.	1.1951
123	EMBALMERS	617.	122.	0.1987
124	FLIGHT ENGINEERS	48.	124.	2.5536
125	RADIO OPERATORS	652.	1093.	1.6759
126	TOOL PROGRAMMER, NUM CO	173.	163.	0.9440
127	TECHNICIANS NEC	247.	1623.	6.5717
128	VOCATION AND ED COUNSELOR	1955.	5715.	2.9233
129	WRITER, ARTIST $ ENTERTNR	27938.	37814.	1.3534
130	ACTORS	269.	166.	0.6180
131	ATHLETES $ KINDRED WORKER	1066.	2219.	2.0812
132	AUTHORS	889.	725.	0.8157
133	DANCERS	200.	167.	0.8320
134	DESIGNERS	4493.	6014.	1.3383
135	EDITORS AND REPORTERS	5067.	7239.	1.4286
136	MUSICIANS $ COMPOSERS	4428.	4733.	1.0688
137	PAINTERS AND SCULPTORS	4946.	5420.	1.0956
138	PHOTOGRAPHERS	2981.	3451.	1.1576
139	PUB REL MEN $ PUB WRITR	1490.	3582.	2.4034
140	RADIO $ TV ANNOUNCERS	1012.	1156.	1.1425
141	WRITER ARTIST $ ENT NEC	1090.	2936.	2.6922
142	RESEARCH WORKERS NOT SPEC	4907.	6081.	1.2391
143	MANAGER $ ADM, EXC FARM	316701.	316323.	0.9988
144	ASSESSOR CONTR $ TREAS	1533.	2160.	1.4089
145	BANK OFFICER $ FIN MANG	1380.	15874.	11.4951
146	BUYER $ SHIPPER, FARM	1261.	383.	0.3037
147	BUYER, WHOL $ RET TRADE	5710.	11137.	1.9504
148	CREDIT MEN	2513.	3128.	1.2445
149	FUNERAL DIRECTORS	2629.	2869.	1.0913
150	HEALTH ADMINISTRATORS	454.	4130.	9.0923
151	CONSTRUCTION INSPECTORS	995.	903.	0.9075
152	INSPECTOR, EXC CONSTRUC	3276.	4082.	1.2458
153	MANAGER $ SUPERINT, BLD	1023.	2136.	2.0873
154	OFFICE MANAGERS NEC	1271.	1156.	0.9100
155	OFFICER PILOT PURS SHIP	898.	579.	0.6452
156	OFFIC $ ADM, PUB AD NEC	10733.	12060.	1.1236
157	OFF OF LODGE SO $ UNION	2673.	2736.	1.0235
158	POSTMASTER $ MAIL SUPER	2293.	2336.	1.0185
159	PURCH AGT $ BUYER NEC	6791.	11090.	1.6329
160	RAILROAD CONDUCTORS	5128.	4500.	0.8774
161	RESTAUR CAFET $ BAR MAN	15580.	16979.	1.0897
162	SALES MANAGERS, RET TRD	6795.	11256.	1.6564
163	SALES MANAGERS, EXC RET	3773.	14637.	3.8793
164	SCHOOL ADM, COLLEGE	623.	2182.	3.4995
165	SCHOOL ADM, EL $ SECOND	6381.	8723.	1.3669

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PENNSYLVANIA

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	232978.	181278.	0.7780
167	SALES WORKERS	318280.	319100.	1.0025
168	ADVERTISING AGT $ SALES	1662.	3499.	2.1051
169	AUCTIONEERS	259.	215.	0.8278
170	DEMONSTRATORS	1483.	1621.	1.0927
171	HUCKSTERS $ PEDDLERS	2528.	4759.	1.8824
172	INS AGT BRKR UNDERWRTRS	24166.	27682.	1.1455
173	NEWSBOYS	15646.	4354.	0.2783
174	REAL EST AGT $ BROKERS	7852.	9678.	1.2325
175	STOCK $ BOND SALESMEN	2173.	4730.	2.1761
176	SALES REPRSTTV, MFG IND	31601.	26168.	0.8280
177	SALES REPRSTTIV, WHO TR	33665.	36760.	1.0919
178	SALES CLERKS, RET TRADE	151380.	158816.	1.0491
179	SALESMEN, RETAIL TRADE	31469.	27908.	0.8866
180	SALESMEN OF SVC $ CONST	14391.	12905.	0.8967
181	CLERICAL $ KIND WORKERS	604554.	795826.	1.3163
182	BANK TELLERS	8929.	16385.	1.8349
183	BILLING CLERKS	2997.	8569.	2.8584
184	BOOKKEEPERS	48580.	85274.	1.7553
185	CASHIERS	29159.	47252.	1.6204
186	CLERICAL ASST, SOC WELF	0.	20.	20.4514
187	CLERICAL SUPERV, NEC	4011.	6126.	1.5273
188	COLLECTOR, BILL $ ACCT	2316.	2646.	1.1422
189	COUNTER CLERK, EX FOOD	8796.	13009.	1.4789
190	DISPATCHER $ STARTERS	3129.	4227.	1.3509
191	ENUMERATOR $ INTERVIEWR	7857.	3759.	0.4784
192	ESTIMATOR $ INV NEC	10827.	14735.	1.3609
193	EXPEDITER $ PROD CONTRL	11143.	16377.	1.4697
194	FILE CLERKS	10002.	23636.	2.3630
195	INSUR ADJUSTER, EXAM	3299.	5306.	1.6083
196	LIBRARY ATTENDANT	1772.	6091.	3.4371
197	MAIL CARRIER, POST OFF	12332.	15538.	1.2599
198	MAIL HANDLER, EX POST	4786.	8082.	1.6886
199	MESSENGER $ OFF BOY	3551.	2818.	0.7936
200	METER READER, UTILITIES	3035.	1839.	0.6061
201	OFFICE MACHINE OPERATORS	19813.	36531.	1.8435
202	BOOKKPNG $ BILL MACH OP	3191.	3544.	1.1108
203	CALCULATING MACH OP	2244.	1955.	0.8711
204	COMPUTER $ PERIPH EQUIP	124.	7708.	61.7502
205	DUPLICATING MACH OP	929.	1517.	1.6324
206	KEYPUNCH OPERATORS	10268.	18904.	1.8410
207	TABULATING MACH OP	1779.	553.	0.3108
208	OFFICE MACH OP, NEC	1278.	2347.	1.8359
209	PAYROLL $ TIMEKPNG CLERKS	9332.	12712.	1.3621
210	POSTAL CLERKS	15461.	20631.	1.3343
211	PROOFREADERS	1165.	2224.	1.9078
212	REAL ESTATE APPRAISERS	873.	1011.	1.1585
213	RECEPTIONISTS	8758.	15391.	1.7573
214	SECRETARIES	96087.	172549.	1.7957
215	SECRETARIES, LEGAL	2253.	4315.	1.9150
216	SECRETARIES, MEDICAL	2253.	6039.	2.6801
217	SECRETARIES, NEC	91580.	162193.	1.7710
218	SHIPPING $ RECEIV CLERKS	26949.	32935.	1.2221
219	STATISTICAL CLERKS	9979.	15947.	1.5980
220	STENOGRAPHERS	18807.	7744.	0.4117

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EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PENNSYLVANIA

		1960	1970	1960-70
221	STOCK CLERKS & STOREKEEPE	24963.	29440.	1.1793
222	TEACHER AIDES, EX SCHL MC	1054.	6455.	6.1222
223	TELEGRAPH MESSENGERS	236.	87.	0.3681
224	TELEGRAPH OPERATORS	842.	526.	0.6244
225	TELEPHONE OPERATORS	22207.	21672.	0.9759
226	TICKET, STATION & EXP AGT	3524.	3624.	1.0282
227	TYPISTS	32908.	66644.	2.0251
228	WEIGHERS	3336.	3024.	0.9064
229	MISCELLANEOUS CLERICAL	22814.	28280.	1.2395
230	NOT SPECIFIED CLERIC WORK	108903.	36693.	0.3369
231	CRAFTMEN AND KINDRED WRK	654972.	684735.	1.0454
232	AUTO ACCESS INSTALLERS	530.	291.	0.5499
233	BAKERS	10053.	9343.	0.9293
234	BLACKSMITHS	1768.	972.	0.5498
235	BOILERMAKERS	2513.	2946.	1.1725
236	BOOKBINDERS	2097.	2412.	1.1503
237	BRICKMASON & STONEMASON	12284.	12742.	1.0373
238	BRICK & STONEMASON APPAR	135.	326.	2.4123
239	BULLDOZER OPERATORS	5407.	4302.	0.7955
240	CABINETMAKERS	3923.	4089.	1.0422
241	CARPENTERS	42172.	48107.	1.1407
242	CARPENTER APPRENTICES	301.	732.	2.4325
243	CARPET INSTALLERS	1607.	2597.	1.6154
244	CEMENT & CONCRETE FINSHER	1874.	3462.	1.8475
245	COMPOSITOR & TYPESETTER	13820.	10872.	0.7867
246	PRINT APPRENT, EXC PRESS	789.	453.	0.5737
247	CRANEMEN DERRICKMEN HOIST	20437.	21470.	1.0505
248	DECORATOR & WINDOW DRESSE	3148.	4030.	1.2800
249	DENTAL LAB TECHNICIANS	804.	1623.	2.0191
250	ELECTRICIANS	24184.	30227.	1.2498
251	ELECTRICIAN APPRENTICES	426.	1292.	3.0314
252	ELEC POWER LINE & CABLEMN	4779.	6473.	1.3545
253	ELECTRO & STEREOTYPERS	674.	417.	0.6192
254	ENGRAVERS, EXC PHOTOGRAVR	740.	504.	0.6818
255	EXCAVATING GRADING OPERTR	9807.	13555.	1.3821
256	FLOOR LAYER EXC TILE SETR	1234.	1087.	0.8809
257	FOREMEN NEC	90176.	109447.	1.2137
258	FOREMEN AND HAMMERMEN	1579.	1894.	1.1993
259	FURNITURE & WOOD FINISHER	1451.	1293.	0.8911
260	FURRIERS	399.	146.	0.3667
261	GLAZIERS	784.	1030.	1.3143
262	HEAT TREATER ANNEALER	2474.	2536.	1.0252
263	INSPECTOR, LOG & LUMBER	199.	228.	1.1419
264	INSPECTORS, NEC	11384.	12297.	1.0801
265	JEWELERS AND WATCHMAKERS	1872.	1904.	1.0173
266	JOB & DIE SETTER, METAL	2666.	5721.	2.1456
267	LOCOMOTIVE ENGINEERS	5730.	4563.	0.7964
268	LOCOMOTIVE FIREMEN	3850.	1225.	0.3182
269	MACHINISTS	42829.	27900.	0.6514
270	MACHINIST APPRENTICES	875.	1192.	1.3629
271	MECHANICS AND REPAIRMEN	150344.	159351.	1.0599
272	AIRCON HEAT & REFRGRTR	4106.	7974.	1.9417
273	AIRCRAFT	2606.	3020.	1.1588
274	AUTO BODY REPAIRMEN	5004.	7211.	1.4410
275	AUTO MECHANICS	48807.	52505.	1.3529

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PENNSYLVANIA

		1960	1970	1960-70
276	AUTO MECHANIC APPR	115.	210.	1.8283
277	DATA PROCESS MACH REPR	0.	2019.	2019.6108
278	FARM IMPLEMENT	3100.	1331.	0.4292
279	HEAVY EQUIP MECHANICS	20769.	44546.	2.1448
280	HOUSEHOLD APPL $ ACC	6674.	7397.	1.1081
281	LOOM FIXERS	1242.	922.	0.7427
282	OFFICE MACHINE	1740.	2648.	1.5212
283	RADIO AND TV	5999.	7427.	1.2379
284	RAILROAD AND CAR SHOP	7602.	5951.	0.7827
285	MECHANIC EX AUTO APPR	216.	455.	2.1069
286	MISCELL MECHAN $ REPAIR	13004.	10933.	0.8407
287	NOT SPEC MECH $ REPAIR	39353.	4796.	0.1218
288	MILLER GRAIN FLOUR $ FEED	650.	345.	0.5309
289	MILLWRITHTS	6391.	7801.	1.2205
290	MOLDERS, METAL	6338.	5882.	0.9281
291	MOLDER APPRENTICES	32.	89.	2.7545
292	MOTION PIC PROJECTIONISTS	916.	752.	0.8207
293	OPTICIAN $ LENS GRINDER	1418.	2058.	1.4516
294	PRINTER, CONST $ MAINTENC	18890.	17260.	0.9137
295	PAINTER APPRENTICES	57.	69.	1.1983
296	PAPERHANGERS	2316.	955.	0.4126
297	PATTERN $ MODEL MAKER	3826.	3306.	0.8643
298	PHOTOENGRAVER $ LITHOGRPH	1727.	1677.	0.9710
299	PIANO $ ORGAN TUNER $ REP	398.	376.	0.9462
300	PLASTERERS	3945.	2621.	0.6642
301	PLASTERER APPRENTICES	26.	37.	1.3824
302	PLUMBER $ PIPE FITTER	23757.	25915.	1.0908
303	PLUMBER $ PIPE FIT APPR	589.	1108.	1.8794
304	POWER STATION OPERATORS	2176.	1241.	0.5704
305	PRESSMEN $ PLATE PRINTER	5632.	11537.	2.0483
306	PRESSMAN APPRENTICES	145.	187.	1.2878
307	ROLLER $ FINISHER,METAL	4656.	4452.	0.9562
308	ROOFER AND SLATER	3759.	4354.	1.1582
309	SHEETMETAL WORKER $ TINSM	8077.	8581.	1.0624
310	SHEETMETAL APPRENTICES	260.	357.	1.3713
311	SHIPFITTERS	838.	600.	0.7160
312	SHOE REPAIRMEN	3157.	2410.	0.7634
313	SIGN PAINTERS $ LETTERER	1539.	942.	0.6123
314	STATIONARY ENGINEERS	21531.	10834.	0.5031
315	STONE CUTTER $ CARVER	628.	346.	0.5510
316	STRUCTURAL METAL DRAFTMEN	4711.	5828.	1.2370
317	TAILORS	7488.	6693.	0.8938
318	TELEPHONE INST $ REPAIRMN	9380.	13077.	1.3941
319	TELEPHONE LINEMEN $SPLICR	2580.	2886.	1.1185
320	TILE SETTER	3296.	1407.	0.4268
321	TOOL AND DIE MAKERS	11325.	13229.	1.1681
322	TOOL AND DIE MAKER APPR	479.	740.	1.5439
323	UPHOLSTERERS	3250.	2973.	0.9149
324	SPECIFIED CRAFT APPR, NEC	780.	692.	0.8871
325	NOT SPEC APPRENTICES	454.	181.	0.3989
326	DRAFTMEN $ KIND WRKR NEC	5402.	5847.	1.0823
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	777810.	807579.	1.0382
329	ASBESTOS $ INSUL WORKERS	1005.	1127.	1.1211
330	ASSEMBLERS	42803.	57660.	1.3471

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PENNSYLVANIA

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	449.	442.	0.9840
332	BOTTLING $ CANNING OPERT	4227.	3518.	0.8321
333	CHAINMEN RODMEN $ AXMEN	427.	503.	1.1769
334	CHECKER EXAMINER INS,MFG	41973.	57555.	1.3712
335	CLOTHING IRONER $ PRESSER	15318.	18135.	1.1838
336	CUTTING OPERATIVE NEC	41356.	19646.	0.4750
337	DRESSMAKER $SEAMSTRESS	7860.	5507.	0.7006
338	DRILLERS, EARTH	5951.	2815.	0.4730
339	DRY WALL INSTALLER $ LATH	3713.	1369.	0.3687
340	DYERS	1390.	1442.	1.0374
341	FILER POLISHER SANDER	11211.	7423.	0.6621
342	FURNACEMEN SMELTERMEN	9362.	10219.	1.0914
343	GARAGE WORKERS $ GAS STAT	19959.	21503.	1.0773
344	GRADER $SORTER, MFG	2529.	2980.	1.1783
345	PRODUCE GRADER $ PACKER	2044.	537.	0.2631
346	HEATER, METAL	2152.	1878.	0.8724
347	LAUNDRY $ DRY CLNG OP NEC	9734.	9932.	1.0203
348	MEAT CUTTER $ BUTCHER	12343.	13530.	1.0961
349	MEAT CUTTER $ BUTCHER MFG	6449.	2697.	0.4181
350	MEAT WRAPPER RETAIL TRADE	2841.	2946.	1.0368
351	METAL PLATERS	2486.	2131.	0.8571
352	MILLINERS	319.	51.	0.1615
353	MINE OPERATIVES NEC	26800.	13298.	0.4962
354	MIXING OPERATIVES	4884.	5076.	1.0394
355	OILER AND GREASER, EX AUT	3967.	3889.	0.9801
356	PACKER $ WRAPPER EX MEAT	34908.	48858.	1.3996
357	PAINTER, MFG ARTICLES	7762.	8782.	1.1313
358	PHOTOG PROCESS WORKERS	2503.	3358.	1.3413
359	PRECISION MACHINE OPERATV	21506.	43629.	2.0286
360	DRILL PRESS OPERATIVES	4741.	6708.	1.4149
361	GRINDING MACHINE OPERTV	5955.	14268.	2.3958
362	LATHE $ LILLING MACH OP	7259.	17234.	2.3741
363	PRECISION MACH OP NEC	3550.	5418.	1.5261
364	PUNCH $ STAMPING PRESS OP	12972.	11713.	0.9029
365	RIVETER AND FASTNERS	2001.	2079.	1.0388
366	SAILORS AND DECKHANDLERS	1367.	966.	0.7068
367	SAWYERS	3644.	5608.	1.5388
368	SEWERS AND STICHERS	101328.	119703.	1.1813
369	SHOEMAKING MACH OPRTV	10035.	7122.	0.7097
370	SOLDERERS	5500.	2261.	0.4111
371	STATIONARY FIREMEN	9069.	7876.	0.8685
372	TEXTILE OPERATIVES	40382.	27316.	0.6764
373	CARDING LAPPING OP	3257.	401.	0.1231
374	KNITTING LOOPER TOPPER	5166.	3995.	0.7734
375	SPINNER TWISTER $ WINDE	11336.	8180.	0.7216
376	WEAVERS	5563.	3194.	0.5741
377	TEXTILE OP NEC	15058.	11543.	0.7665
378	WELDERS $ FLAMECUTTERS	36050.	47221.	1.3098
379	WINDING OP NEC	3781.	4718.	1.2476
380	MACHINE OP, MISC SPECIFD	59853.	83700.	1.3984
381	MACHINE OP NOT SPECIFIED	49372.	37936.	0.7683
382	MISCELL OPERATIVES	63431.	49504.	0.7804
383	NOT SPECIFIED OPERATIVES	28770.	27402.	0.9524
384	TRANSPORT EQUIPMENT OPERT	175552.	185247.	1.0552
385	BOATMEN AND CANALMEN	214.	122.	0.5717

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PENNSYLVANIA

		1960	1970	1960-70
386	BUS DRIVERS	10674.	13721.	1.2853
387	CONDUCTOR & MOTORMEN	1943.	782.	0.4025
388	DELIVERYMEN & ROUTEMEN	30169.	45429.	1.5057
389	FORK LIFT & TOW MOTOR OP	8895.	16669.	1.8739
390	MOTORMEN MINE FACTORY ETC	2294.	1338.	0.5833
391	PARKING ATTENDANTS	1574.	2041.	1.2971
392	RAILROAD BRAKEMEN	10529.	6522.	0.6194
393	RIALROAD SWITCHMEN	2237.	2182.	0.9754
394	TAXICAB DRIVERS & CHAUFFR	9043.	7081.	0.7830
395	TRUCK DRIVERS	97975.	89355.	0.9120
396	LABORERS, EX FARM	268351.	216177.	0.8055
397	ANIMAL CARETAKER EX FARM	1999.	1927.	0.9640
398	CARPENTERS HELPERS	1292.	2558.	1.9788
399	CONSTRUCT LABOR EXC CARP	63425.	37793.	0.5958
400	FISHERMEN AND CYSTERMEN	278.	176.	0.6343
401	FREIGHT & MATERIAL HANDLR	38942.	40684.	1.0447
402	GARBAGE COLLECTORS	2776.	3765.	1.3563
403	GARDNERS AND GROUNDKEEPER	13324.	13088.	0.9822
404	LONGSHOREMEN & STEVEDORES	2247.	1827.	0.8127
405	LUMBERMEN RAFTMEN & WDCHP	3077.	1963.	0.6378
406	STOCK HANDLERS	29431.	32950.	1.1195
407	TEAMSTERS	252.	212.	0.8425
408	VEHICLE WASHER & EQUIP CL	11254.	8563.	0.7608
409	WAREHOUSEMEN NEC	7777.	5788.	0.7442
410	MISCELL LABORERS	24773.	21437.	0.8653
411	NOT SPECIFIED LABORERS	67496.	43438.	0.6435
412	FARMERS AND FARM MANAGERS	66190.	36089.	0.5452
413	FARMERS OWNERS & TENANTS	63852.	33988.	0.5322
414	FARM MANAGERS	2338.	2100.	0.8984
415	FARM LABORER & FOREMEN	43715.	25692.	0.5877
416	FARM FOREMEN	362.	473.	1.3077
417	FARM LABORER WAGE WORKER	32793.	20705.	0.6313
418	FARM LABORER UNPAID FAM W	10444.	4455.	0.4265
419	FARM SERVICE LABOR, SELF	115.	57.	0.5025
420	SERVICE WORKER EX PRI HHD	350610.	484018.	1.3805
421	CLEANING SERVICE WORKER	86954.	121731.	1.3976
422	CHAMBERMAID EX PRV HHD	8047.	10224.	1.2704
423	CLEANERS & CHARWOMEN	26117.	30461.	1.1663
424	JANITOR AND SEXTON	52789.	80845.	1.5314
425	FOOD SERVICE WORKERS	111250.	172038.	1.5464
426	BARTENDERS	18998.	18327.	0.9646
427	BUSBOYS	5602.	5106.	0.9113
428	COOKS EX PR HHD	442.	42336.	95.7441
429	DISHWASHERS	7496.	11224.	1.4973
430	FOOD COUNTER & FOUNTAIN	11045.	8648.	0.7829
431	WAITERS	53448.	61908.	1.1582
432	FOOD SERVICE WRKR NEC	14216.	24486.	1.7223
433	HEALTH SERVICE WORKERS	46500.	66127.	1.4220
434	DENTAL ASSISTANTS	1934.	3703.	1.9149
435	HEALTH AIDES EX NURSEIN	1773.	5807.	3.2744
436	HEALTH TRAINEES	8067.	959.	0.1189
437	LAY MIDWIFE	17.	4.	0.2394
438	NURSING AIDE ORDERLY	23141.	36953.	1.5968
439	PRACTICAL NURSES	11565.	18697.	1.6166
440	PERSONAL SERVICE WORKERS	57552.	63759.	1.1078

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PENNSYLVANIA

		1960	1970	1960-70
441	AIRLINE STEWARDESS	657.	376.	0.5729
442	ATTENDANT, RECREAT & AM	5033.	3062.	0.6085
443	ATTENDANT, PERS SRV NEC	4847.	3427.	0.7069
444	BAGGAGE PORTER & BELLHO	1722.	710.	0.4123
445	BARBERS	11576.	10448.	0.9026
446	BOADING & LODGING HSEKP	387.	160.	0.4144
447	BOOTBLACKS	878.	134.	0.1530
448	CHILD CARE EX PR HHD	1917.	7303.	3.8093
449	ELEVATOR OPERATORS	4768.	2573.	0.5395
450	HAIRDRESSER & COSMETOL	19423.	27092.	1.3948
451	PERSONAL SVC APPRENTICE	105.	27.	0.2569
452	HOUSEKEEPER EX PR HHD	5095.	5492.	1.0780
453	SCHOOL MONITORS	120.	1308.	10.8602
454	USHER, RECREAT & AMUS	983.	755.	0.7684
455	WELFARE SVC AIDES	34.	883.	25.9461
456	PROTECTIVE SERVICE WORKER	48352.	60562.	1.2525
457	CROSSING GUARD & BRIDGE	2641.	4094.	1.5502
458	FIREMEN, FIREPROTECTION	6751.	7303.	1.0818
459	GUARD & WATCHMEN	20207.	23463.	1.1611
460	MARSHAL & CONSTABLE	208.	167.	0.8069
461	POLICEMEN & DETECTIVES	17885.	24656.	1.3785
462	SHERIFFS & BALIFFS	659.	876.	1.3294
463	PRIVATE HOUSE WORKERS	90245.	43714.	0.4843
464	CHILD CARE WORKER PRV HHD	18506.	6100.	0.3296
465	COOKS PRV HHD	2051.	1379.	0.6725
466	HOUSEKEEPER PRV HHD	7762.	4513.	0.5814
467	LAUNDRESS PRV HHD	2055.	632.	0.3077
468	MAID & SERVANT PRV HHD	59869.	31088.	0.5192
469	OCCUPATION NOT REPORTED	197725.	315942.	1.5978

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN BALANCE OF STATE

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL CCC	774637.	861598.	1.1122
2	PROF TECH AND KINDRED	66804.	94090.	1.4084
3	ACCOUNTANTS	2770.	4753.	1.7157
4	ARCHITECTS	150.	269.	1.7979
5	COMPUTER SPECIALISTS	81.	1292.	15.7880
6	COMPUTER PROGRAMMERS	55.	890.	16.1746
7	COMP SYSTEMS ANALYSTS	22.	308.	13.8624
8	COMPUTER SPEC. NEC	4.	93.	20.5317
9	ENGINEERS	5292.	6957.	1.3147
10	AERONAUT AND ASTRON ENG	114.	227.	1.9875
11	CHEMICAL ENGINEERS	306.	170.	0.5566
12	CIVIL ENGINEERS	949.	1072.	1.1289
13	ELECTR AND ELECTRO ENG	907.	1476.	1.6274
14	INDUSTRIAL ENGINEERS	1077.	1493.	1.3857
15	MECHANICAL ENGINEERS	885.	751.	0.8490
16	METALLUR AND MATER ENG	158.	228.	1.4445
17	MINING ENGINEERS	112.	108.	0.9667
18	PETORLEUM ENGINEERS	96.	17.	0.1788
19	SALES ENGINEERS	273.	141.	0.5175
20	ENGINEERS, NEC	411.	1269.	3.0884
21	FARM MANAGEMENT ADVISORS	41.	78.	1.9141
22	FORESTOR $ CONSRVATIONIST	342.	504.	1.4739
23	HOME MANAGEMENT ADVISORS	63.	22.	0.3612
24	LAWYERS AND JUDGES	1061.	1693.	1.5951
25	JUDGES	47.	168.	3.5274
26	LAWYERS	1013.	1524.	1.5039
27	LIBRARIANS ARCHIV CURATOR	654.	1352.	2.0659
28	LIBRARIANS	645.	1279.	1.9824
29	ARCHIVISTS AND CURATORS	9.	73.	7.6370
30	MATHEMATICAL SPECIALISTS	49.	72.	1.4489
31	ACTUARIES	8.	14.	1.8001
32	MATHEMATICIANS	18.	48.	2.5695
33	STATISTICIANS	22.	9.	0.3964
34	LIFE $ PHYSICAL SCIENT.	1156.	1180.	1.0203
35	AGRICULTURAL SCIENTISTS	103.	120.	1.1602
36	ATMOSPHERIC $ SPACE SCI	20.	22.	1.1304
37	BIOLOGICAL SCIENTISTS	32.	169.	5.1662
38	CHEMISTS	880.	737.	0.8378
39	GEOLOGISTS	29.	52.	1.7816
40	MARINE SCIENTISTS	0.	3.	3.7382
41	PHYSICISTS AND ASTRONOM	55.	66.	1.1867
42	LIFE AND PHYS SCIEN NEC	34.	7.	0.2196
43	OPERATIONS $ SYST RESEAR	155.	370.	2.3929
44	PERSONNEL $ LABOR REL WOK	714.	1985.	2.7787
45	PHYSICIANS,DENTISTS $ REL	4305.	4591.	1.0662
46	CHIROPRACTORS	223.	188.	0.8454
47	DENTISTS	1009.	781.	0.7737
48	OPTOMETRISTS	142.	238.	1.6765
49	PHARMACISTS	677.	1015.	1.4980
50	PHYSICIANS& MED $ OSTEO	2004.	2158.	1.0767
51	PODIATRISTS	70.	52.	0.7417
52	VETERINARIANS	177.	150.	0.8500
53	HEALTH PRACTITIONERS NE	0.	5.	5.1532
54	NURSES, DIETITIANS $ THER	8775.	11769.	1.3412
55	DIETITIANS	225.	397.	1.7614

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN BALANCE OF STATE

		1960	1970	1960-70
56	REGISTERED NURSES	8350.	10659.	1.2764
57	THERAPISTS	199.	713.	3.5836
58	HEALTH TECHNOLOG $ TECHIC	978.	2156.	2.2036
59	CLIN LAB TECHNO $ TECHN	424.	955.	2.2514
60	DENTAL HYGIENISTS	45.	119.	2.6436
61	HEALTH RECORD TECH	77.	108.	1.4069
62	RADIOLOGIC TECH	285.	505.	1.7723
63	THERAPY ASSISTANTS	4.	17.	4.0401
64	HEALTH TECH, NEC	142.	449.	3.1650
65	RELIGIOUS WORKERS	3780.	3618.	0.9569
66	CLERGYMEN	3360.	3340.	0.9939
67	RELIGIOUS WORKERS, NEC	420.	277.	0.6608
68	SOCIAL SCIENTISTS	229.	484.	2.1138
69	ECONOMISTS	134.	154.	1.1472
70	POLITICAL SCIENTISTS	0.	5.	5.7281
71	PSYCHOLOGISTS	80.	203.	2.5269
72	SOCIOLOGISTS	0.	14.	14.9215
73	URBAN AND REG PLANNERS	5.	100.	16.9814
74	SOCIAL SCIENTISTS, NEC	8.	5.	0.7143
75	SOCIAL AND RECR WORKERS	1076.	2133.	1.9823
76	SOCIAL WORKERS	856.	1830.	2.1367
77	RECREATION WORKERS	219.	302.	1.3795
78	TEACHERS, COLLEGE $ UNIV	2538.	6114.	2.4090
79	AGRICULTURE TEACHERS	54.	136.	2.5082
80	ATMOS, EARTH, MAR $ SPA	7.	153.	19.7404
81	BIOLOGY TEACHERS	110.	245.	2.2190
82	CHEMISTRY TEACHERS	115.	164.	1.4294
83	PHYSICS TEACHERS	124.	141.	1.1421
84	ENGINEERING TEACHERS	135.	245.	1.8145
85	MATHEMATICS TEACHERS	146.	363.	2.4867
86	HEALTH SPECIALT TEACHER	68.	292.	4.2771
87	PSYCHOLOGY TEACHERS	15.	130.	8.4226
88	BUS. $ COMMERCE TEACHER	87.	119.	1.3684
89	ECONOMICS TEACHERS	49.	163.	3.2873
90	HISTORY TEACHERS	122.	138.	1.1261
91	SOCIOLOGY TEACHERS	7.	68.	8.8038
92	SOCIAL SC TEACHERS NEC	56.	98.	1.7550
93	ART, DRAMA $ MUSIC TEAC	129.	308.	2.3929
94	COACHES $ PHYSICAL ED	87.	187.	2.1360
95	EDUCATION TEACHERS	87.	77.	0.8949
96	ENGLISH TEACHERS	279.	501.	1.7910
97	FOREIGN LANG TEACHERS	101.	256.	2.5339
98	HOME ECONOMICS TEACHERS	0.	21.	21.8430
99	LAW TEACHERS	7.	22.	2.9006
100	THEOLOGY TEACHERS	29.	88.	2.9914
101	TRADE, IND $ TECH TEACH	7.	30.	3.8953
102	MISCELL. TEACHERS, COLL	76.	190.	2.4980
103	TEACHERS, CC $ UNIV NEC	630.	1967.	3.1174
104	TEACHERS, EX CC $ UNIV	22788.	27150.	1.1914
105	ADULT EDUCATION TEACHER	399.	249.	0.6259
106	ELEMENTARY SCH TEACHERS	11974.	13474.	1.1252
107	PREKIND $ KINDERG TEACH	816.	682.	0.8357
108	SECONDARY SCH TEACHERS	8162.	11362.	1.3920
109	TEACHERS, NEC	1436.	1382.	0.9621
110	ENGN $ SC TECHNICIANS	5428.	8376.	1.5430

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN BALANCE OF STATE

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	397.	387.	0.9740
112	CHEMICAL TECHNICIANS	528.	197.	0.3737
113	DRAFTMEN	2058.	3361.	1.6331
114	ELEC $ ELECTRON ENG TEC	640.	1106.	1.7267
115	IND ENG TECHNICIANS	163.	352.	2.1529
116	MECHNICAL ENG TECH	135.	155.	1.1529
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	475.	775.	1.6301
119	ENG $ SC TECH, NEC	1029.	2040.	1.9815
120	TECHN, EX HEAL ENG $ SC	378.	584.	1.5430
121	AIRPLANE PILOTS	81.	138.	1.6869
122	AIR TRAFFIC CONTROLLERS	34.	59.	1.7342
123	EMBALMERS	140.	34.	0.2420
124	FLIGHT ENGINEERS	5.	0.	0.0155
125	RADIO OPERATORS	55.	121.	2.1640
126	TOOL PROGRAMMER, NUM CO	20.	17.	0.8590
127	TECHNICIANS NEC	40.	214.	5.2486
128	VOCATION AND ED COUNSELOR	211.	964.	4.5490
129	WRITER, ARTIST $ ENTERTNR	3250.	4389.	1.3503
130	ACTORS	44.	18.	0.4164
131	ATHLETES $ KINDRED WORKER	212.	337.	1.5918
132	AUTHORS	69.	90.	1.3000
133	DANCERS	30.	6.	0.2085
134	DESIGNERS	283.	485.	1.7147
135	EDITORS AND REPORTERS	725.	927.	1.2795
136	MUSICIANS $ COMPOSERS	746.	717.	0.9613
137	PAINTERS AND SCULPTORS	441.	467.	1.0598
138	PHOTOGRAPHERS	376.	446.	1.1842
139	PUB REL MEN $ PUB WRITR	91.	308.	3.3690
140	RADIO $ TV ANNOUNCERS	108.	309.	2.8612
141	WRITER ARTIST $ ENT NEC	121.	273.	2.2580
142	RESEARCH WORKERS NOT SPEC	528.	1222.	2.3156
143	MANAGER $ ADM, EXC FARM	52576.	46403.	0.8825
144	ASSESSOR CONTR $ TREAS	295.	627.	2.1253
145	BANK OFFICER $ FIN MANG	207.	2277.	10.9830
146	BUYER $ SHIPPER, FARM	205.	108.	0.5272
147	BUYER, WHOL $ RET TRADE	665.	1291.	1.9414
148	CREDIT MEN	240.	307.	1.2776
149	FUNERAL DIRECTORS	639.	550.	0.8608
150	HEALTH ADMINISTRATORS	80.	595.	7.3546
151	CONSTRUCTION INSPECTORS	144.	208.	1.4401
152	INSPECTOR, EXC CONSTRUC	469.	673.	1.4333
153	MANAGER $ SUPERINT, BLD	37.	181.	4.8925
154	OFFICE MANAGERS NEC	220.	170.	0.7742
155	OFFICER PILOT PURS SHIP	27.	4.	0.1515
156	OFFIC $ ADM, PUB AC NEC	2004.	2201.	1.0983
157	OFF OF LODGE SO $ UNION	333.	417.	1.2530
158	POSTMASTER $ MAIL SUPER	928.	897.	0.9665
159	PURCH AGT $ BUYER NEC	685.	1315.	1.9201
160	RAILROAD CONDUCTORS	931.	820.	0.8809
161	RESTAUR CAFET $ BAR MAN	2671.	2783.	1.0421
162	SALES MANAGERS, RET TRD	775.	1410.	1.8199
163	SALES MANAGERS, EXC RET	490.	1027.	2.0957
164	SCHOOL ADM, COLLEGE	134.	403.	2.9971
165	SCHOOL ADM, EL $ SECOND	1494.	1355.	0.9073

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN BALANCE OF STATE

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	38893.	26772.	0.6883
167	SALES WORKERS	49865.	42523.	0.8527
168	ADVERTISING AGT $ SALES	228.	411.	1.8048
169	AUCTIONEERS	67.	57.	0.8530
170	DEMONSTRATORS	184.	264.	1.4333
171	HUCKSTERS $ PEDDLERS	312.	906.	2.8997
172	INS AGT BRKR UNDERWRTRS	3729.	3759.	1.0082
173	NEWSBOYS	2920.	511.	0.1751
174	REAL EST AGT $ BROKERS	489.	833.	1.7049
175	STOCK $ BOND SALESMEN	195.	468.	2.3942
176	SALES REPRSTTV, MFG IND	4680.	2111.	0.4511
177	SALES REPRSTTIV, WHO TR	4898.	3836.	0.7832
178	SALES CLERKS, RET TRADE	25346.	22594.	0.8913
179	SALESMEN, RETAIL TRADE	4661.	5174.	1.1101
180	SALESMEN OF SVC $ CONST	2151.	1592.	0.7401
181	CLERICAL $ KIND WORKERS	74826.	106858.	1.4280
182	BANK TELLERS	1742.	2715.	1.5583
183	BILLING CLERKS	370.	1095.	2.9603
184	BOOKKEEPERS	7840.	12947.	1.6513
185	CASHIERS	4295.	6786.	1.5797
186	CLERICAL ASST, SOC WELF	0.	8.	8.0735
187	CLERICAL SUPERV, NEC	494.	800.	1.6196
188	COLLECTOR, BILL $ ACCT	285.	368.	1.2884
189	COUNTER CLERK, EX FOOD	1089.	1850.	1.6978
190	DISPATCHER $ STARTERS	393.	462.	1.1765
191	ENUMERATOR $ INTERVIEWR	969.	1177.	1.2139
192	ESTIMATOR $ INV NEC	1305.	1240.	0.9505
193	EXPEDITER $ PROD CONTRL	1383.	2097.	1.5166
194	FILE CLERKS	664.	2544.	3.8284
195	INSUR ADJUSTER, EXAM	252.	368.	1.4629
196	LIBRARY ATTENDANT	315.	1126.	3.5712
197	MAIL CARRIER, POST OFF	2144.	2766.	1.2903
198	MAIL HANDLER, EX POST	579.	864.	1.4919
199	MESSENGER $ OFF BOY	126.	254.	2.0035
200	METER READER, UTILITIES	379.	384.	1.0132
201	OFFICE MACHINE OPERATORS	867.	3524.	4.0637
202	BOOKKPNG $ BILL MACH OP	149.	249.	1.6715
203	CALCULATING MACH OP	88.	95.	1.0754
204	COMPUTER $ PERIPH EQUIP	5.	798.	145.6902
205	DUPLICATING MACH OP	43.	175.	4.0411
206	KEYPUNCH OPERATORS	441.	1993.	4.5209
207	TABULATING MACH OP	85.	40.	0.4714
208	OFFICE MACH OP, NEC	53.	171.	3.1847
209	PAYROLL $ TIMEKPNG CLERKS	1170.	2008.	1.7158
210	POSTAL CLERKS	1888.	3172.	1.6796
211	PROOFREADERS	144.	256.	1.7624
212	REAL ESTATE APPRAISERS	112.	155.	1.3823
213	RECEPTIONISTS	1150.	1953.	1.6974
214	SECRETARIES	12278.	22827.	1.8591
215	SECRETARIES, LEGAL	287.	598.	2.0820
216	SECRETARIES, MEDICAL	287.	769.	2.6774
217	SECRETARIES, NEC	11703.	21458.	1.8335
218	SHIPPING $ RECEIV CLERKS	3249.	5080.	1.5633
219	STATISTICAL CLERKS	1265.	1700.	1.3443
220	STENOGRAPHERS	2122.	792.	0.3732

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN BALANCE OF STATE

		1960	1970	1960-70
221	STOCK CLERKS $ STOREKEEPE	3334.	4595.	1.3782
222	TEACHER AIDES, EX SCHL MD	117.	1461.	12.4849
223	TELEGRAPH MESSENGERS	16.	7.	0.4523
224	TELEGRAPH OPERATORS	247.	104.	0.4197
225	TELEPHONE OPERATORS	3232.	2471.	0.7643
226	TICKET, STATION $ EXP AGT	433.	144.	0.3338
227	TYPISTS	1790.	6488.	3.6235
228	WEIGHERS	437.	673.	1.5380
229	MISCELLANEOUS CLERICAL	2863.	3446.	1.2034
230	NOT SPECIFIED CLERIC WORK	13469.	6135.	0.4555
231	CRAFTMEN AND KINDRED WRK	119021.	129711.	1.0898
232	AUTO ACCESS INSTALLERS	105.	35.	0.3362
233	BAKERS	1489.	1590.	1.0681
234	BLACKSMITHS	635.	233.	0.3670
235	BOILERMAKERS	298.	282.	0.9489
236	BOOKBINDERS	341.	456.	1.3365
237	BRICKMASON $ STONEMASON	2002.	2297.	1.1475
238	BRICK $ STONEMASON APPAR	23.	57.	2.4252
239	BULLDOZER OPERATORS	1593.	1513.	0.9499
240	CABINETMAKERS	849.	1039.	1.2244
241	CARPENTERS	9919.	10720.	1.0807
242	CARPENTER APPRENTICES	28.	162.	5.6612
243	CARPET INSTALLERS	194.	463.	2.3861
244	CEMENT $ CONCRETE FINSHER	173.	382.	2.1993
245	COMPOSITOR $ TYPESETTER	2020.	1321.	0.6538
246	PRINT APPRENT, EXC PRESS	154.	54.	0.3527
247	CRANEMEN DERRICKMEN HOIST	3288.	4376.	1.3308
248	DECORATOR $ WINDOW DRESSE	442.	582.	1.3149
249	DENTAL LAB TECHNICIANS	95.	184.	1.9421
250	ELECTRICIANS	3989.	5328.	1.3354
251	ELECTRICIAN APPRENTICES	62.	226.	3.5967
252	ELEC POWER LINE $ CABLEMN	862.	1822.	2.1134
253	ELECTRO $ STEREOTYPERS	31.	38.	1.2145
254	ENGRAVERS, EXC PHOTOGRAVR	31.	85.	2.7375
255	EXCAVATING GRADING OPERTR	3423.	4677.	1.3664
256	FLOOR LAYER EXC TILE SETR	238.	190.	0.7998
257	FOREMEN NEC	16579.	20999.	1.2666
258	FOREMEN AND HAMMERMEN	319.	625.	1.9560
259	FURNITURE $ WOOD FINISHER	316.	283.	0.8955
260	FURRIERS	72.	13.	0.1803
261	GLAZIERS	111.	160.	1.4321
262	HEAT TREATER ANNEALER	383.	431.	1.1257
263	INSPECTOR, LOG $ LUMBER	84.	146.	1.7360
264	INSPECTORS, NEC	2181.	2839.	1.3015
265	JEWELERS AND WATCHMAKERS	372.	352.	0.9441
266	JOB $ DIE SETTER, METAL	414.	1187.	2.8628
267	LOCOMOTIVE ENGINEERS	1359.	838.	0.6165
268	LOCOMOTIVE FIREMEN	960.	299.	0.3113
269	MACHINISTS	7645.	6086.	0.7961
270	MACHINIST APPRENTICES	136.	263.	1.9358
271	MECHANICS AND REPAIRMEN	30192.	31472.	1.0423
272	AIRCON HEAT $ REFRGRTR	562.	1134.	2.0172
273	AIRCRAFT	273.	322.	1.1779
274	AUTO BODY REPAIRMEN	1124.	1539.	1.3693
275	AUTO MECHANICS	8710.	10648.	1.2228

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN BALANCE OF STATE

		1960	1970	1960-70
276	AUTO MECHANIC APPR	14.	42.	2.8515
277	DATA PROCESS MACH REPR	0.	110.	110.4740
278	FARM IMPLEMENT	573.	454.	0.7922
279	HEAVY EQUIP MECHANICS	3865.	9511.	2.4605
280	HOUSEHOLD APPL $ ACC	1233.	1239.	1.0051
281	LOOM FIXERS	346.	337.	0.9749
282	OFFICE MACHINE	159.	235.	1.4770
283	RADIO AND TV	1139.	1254.	1.1008
284	RAILROAD AND CAR SHOP	2443.	1716.	0.7023
285	MECHANIC EX AUTO APPR	75.	72.	0.9571
286	MISCELL MECHAN $ REPAIR	2386.	1703.	0.7137
287	NOT SPEC MECH $ REPAIR	7283.	1148.	0.1577
288	MILLER GRAIN FLOUR $ FEED	240.	138.	0.5751
289	MILLWRITHTS	911.	1043.	1.1447
290	MOLDERS, METAL	1112.	1351.	1.2149
291	MOLDER APPRENTICES	2.	21.	7.5883
292	MOTION PIC PROJECTIONISTS	144.	81.	0.5610
293	OPTICIAN $ LENS GRINDER	108.	242.	2.2413
294	PRINTER, CONST $ MAINTENC	3144.	3009.	0.9569
295	PAINTER APPRENTICES	2.	11.	5.3736
296	PAPERHANGERS	222.	103.	0.4667
297	PATTERN $ MODEL MAKER	433.	352.	0.8133
298	PHOTOENGRAVER $ LITHOGRPH	111.	49.	0.4458
299	PIANO $ ORGAN TUNER $ REP	43.	55.	1.2705
300	PLASTERERS	655.	425.	0.6489
301	PLASTERER APPRENTICES	1.	5.	5.5532
302	PLUMBER $ PIPE FITTER	3622.	4049.	1.1180
303	PLUMBER $ PIPE FIT APPR	61.	172.	2.8217
304	POWER STATION OPERATORS	450.	164.	0.3647
305	PRESSMEN $ PLATE PRINTER	698.	1257.	1.7998
306	PRESSMAN APPRENTICES	29.	20.	0.6884
307	ROLLER $ FINISHER,METAL	723.	919.	1.2703
308	ROOFER AND SLATER	376.	647.	1.7218
309	SHEETMETAL WORKER $ TINSM	920.	846.	0.9191
310	SHEETMETAL APPRENTICES	22.	34.	1.5598
311	SHIPFITTERS	107.	0.	0.0077
312	SHOE REPAIRMEN	395.	418.	1.0566
313	SIGN PAINTERS $ LETTERER	247.	151.	0.6113
314	STATIONARY ENGINEERS	3241.	1572.	0.4851
315	STONE CUTTER $ CARVER	246.	140.	0.5712
316	STRUCTURAL METAL DRAFTMEN	671.	815.	1.2130
317	TAILORS	779.	1232.	1.5816
318	TELEPHONE INST $ REPAIRMN	1694.	1586.	0.9362
319	TELEPHONE LINEMEN $SPLICR	466.	549.	1.1794
320	TILE SETTER	502.	144.	0.2870
321	TOOL AND DIE MAKERS	1470.	2306.	1.5682
322	TOOL AND DIE MAKER APPR	77.	129.	1.6832
323	UPHOLSTERERS	651.	688.	1.0558
324	SPECIFIED CRAFT APPR, NEC	123.	91.	0.7412
325	NOT SPEC APPRENTICES	65.	23.	0.3516
326	DRAFTMEN $ KIND WRKR NEC	814.	731.	0.8980
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	171045.	184788.	1.0803
329	ASBESTOS $ INSUL WORKERS	68.	3.	0.0476
330	ASSEMBLERS	8329.	11534.	1.3847

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN BALANCE OF STATE

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	153.	227.	1.4888
332	BOTTLING $ CANNING OPERT	925.	712.	0.7698
333	CHAINMEN RODMEN $ AXMEN	111.	71.	0.6396
334	CHECKER EXAMINER INS,MFG	8738.	12796.	1.4644
335	CLOTHING IRONER $ PRESSER	2684.	4199.	1.5646
336	CUTTING OPERATIVE NEC	8768.	4250.	0.4847
337	DRESSMAKER $SEAMSTRESS	1397.	805.	0.5759
338	DRILLERS, EARTH	2182.	1291.	0.5918
339	DRY WALL INSTALLER $ LATH	605.	51.	0.0844
340	DYERS	123.	323.	2.6250
341	FILER POLISHER SANDER	2122.	2180.	1.0273
342	FURNACEMEN SMELTERMEN	1403.	2429.	1.7310
343	GARAGE WORKERS $ GAS STAT	4423.	4451.	1.0061
344	GRADER $SORTER, MFG	574.	615.	1.0708
345	PRODUCE GRADER $ PACKER	459.	98.	0.2152
346	HEATER, METAL	287.	349.	1.2137
347	LAUNDRY $ DRY CLNG OP NEC	1357.	1645.	1.2121
348	MEAT CUTTER $ BUTCHER	2048.	2319.	1.1321
349	MEAT CUTTER $ BUTCHER MFG	1335.	551.	0.4131
350	MEAT WRAPPER RETAIL TRADE	434.	499.	1.1484
351	METAL PLATERS	495.	289.	0.5836
352	MILLINERS	15.	0.	0.0407
353	MINE OPERATIVES NEC	11512.	6304.	0.5476
354	MIXING OPERATIVES	970.	930.	0.9590
355	OILER AND GREASER, EX AUT	1013.	1059.	1.0451
356	PACKER $ WRAPPER EX MEAT	5535.	8738.	1.5784
357	PAINTER, MFG ARTICLES	1758.	1816.	1.0332
358	PHOTOG PROCESS WORKERS	285.	494.	1.7321
359	PRECISION MACHINE OPERATV	4194.	9048.	2.1573
360	DRILL PRESS OPERATIVES	975.	1279.	1.3114
361	GRINDING MACHINE OPERTV	1066.	3351.	3.1438
362	LATHE $ LILLING MACH OP	1442.	3287.	2.2798
363	PRECISION MACH OP NEC	710.	1129.	1.5898
364	PUNCH $ STAMPING PRESS OP	2732.	2179.	0.7973
365	RIVETER AND FASTNERS	424.	690.	1.6249
366	SAILORS AND DECKHANDLERS	10.	19.	1.9783
367	SAWYERS	1539.	2195.	1.4262
368	SEWERS AND STICHERS	26939.	31469.	1.1681
369	SHOEMAKING MACH OPRTV	2239.	1707.	0.7625
370	SOLDERERS	1248.	478.	0.3833
371	STATIONARY FIREMEN	2279.	1763.	0.7735
372	TEXTILE OPERATIVES	8673.	7780.	0.8969
373	CARDING LAPPING OP	682.	131.	0.1931
374	KNITTING LOOPER TOPPER	802.	631.	0.7873
375	SPINNER TWISTER $ WINDE	2505.	3299.	1.3172
376	WEAVERS	1371.	851.	0.6206
377	TEXTILE OP NEC	3312.	2865.	0.8649
378	WELDERS $ FLAMECUTTERS	7841.	11915.	1.5194
379	WINDING OP NEC	826.	1109.	1.3412
380	MACHINE OP, MISC SPECIFD	12383.	18105.	1.4620
381	MACHINE OP NOT SPECIFIED	10317.	9285.	0.8999
382	MISCELL OPERATIVES	13342.	10460.	0.7839
383	NOT SPECIFIED OPERATIVES	5926.	5538.	0.9345
384	TRANSPORT EQUIPMENT OPERT	35569.	37120.	1.0435
385	BOATMEN AND CANALMEN	55.	14.	0.2632

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN BALANCE OF STATE

		1960	1970	1960-70
386	BUS DRIVERS	1666.	2281.	1.3687
387	CONDUCTOR $ MOTORMEN	0.	86.	86.6186
388	DELIVERYMEN $ ROUTEMEN	4481.	7724.	1.7234
389	FORK LIFT $ TOW MOTOR OP	1749.	3213.	1.8361
390	MOTORMEN MINE FACTORY ETC	783.	512.	0.6538
391	PARKING ATTENDANTS	353.	198.	0.5613
392	RAILROAD BRAKEMEN	2463.	1337.	0.5427
393	RIALROAD SWITCHMEN	598.	538.	0.8994
394	TAXICAB DRIVERS $ CHAUFFR	575.	1000.	1.7388
395	TRUCK DRIVERS	22840.	20213.	0.8849
396	LABORERS, EX FARM	57214.	49929.	0.8726
397	ANIMAL CARETAKER EX FARM	437.	387.	0.8851
398	CARPENTERS HELPERS	289.	527.	1.8219
399	CONSTRUCT LABOR EXC CARP	13923.	9950.	0.7146
400	FISHERMEN AND CYSTERMEN	36.	22.	0.6103
401	FREIGHT $ MATERIAL HANDLR	9155.	8145.	0.8896
402	GARBAGE COLLECTORS	609.	625.	1.0256
403	GARDNERS AND GROUNDKEEPER	2046.	2578.	1.2599
404	LONGSHOREMEN $ STEVEDORES	0.	172.	172.8153
405	LUMBERMEN RAFTMEN $ WDCHP	1537.	1357.	0.8828
406	STOCK HANDLERS	5597.	6013.	1.0743
407	TEAMSTERS	125.	113.	0.9054
408	VEHICLE WASHER $ EQUIP CL	2280.	1528.	0.6701
409	WAREHOUSEMEN NEC	860.	800.	0.9296
410	MISCELL LABORERS	5380.	4668.	0.8676
411	NOT SPECIFIED LABORERS	14932.	13037.	0.8731
412	FARMERS AND FARM MANAGERS	31387.	15342.	0.4888
413	FARMERS OWNERS $ TENANTS	30790.	14738.	0.4786
414	FARM MANAGERS	597.	604.	1.0123
415	FARM LABORER $ FOREMEN	18745.	8859.	0.4726
416	FARM FOREMEN	136.	150.	1.1064
417	FARM LABORER WAGE WORKER	13548.	7070.	0.5218
418	FARM LABORER UNPAID FAM W	5029.	1613.	0.3207
419	FARM SERVICE LABOR, SELF	30.	24.	0.7964
420	SERVICE WORKER EX PRI HHD	56775.	87003.	1.5324
421	CLEANING SERVICE WORKER	14872.	23348.	1.5699
422	CHAMBERMAID EX PRV HHD	1276.	2112.	1.6551
423	CLEANERS $ CHARWOMEN	3170.	5504.	1.7360
424	JANITOR AND SEXTON	10425.	15732.	1.5090
425	FOOD SERVICE WORKERS	18996.	31650.	1.6661
426	BARTENDERS	2966.	3789.	1.2775
427	BUSBOYS	832.	556.	0.6678
428	COOKS EX PR HHD	89.	8698.	97.1412
429	DISHWASHERS	1208.	2085.	1.7258
430	FOOD COUNTER $ FOUNTAIN	1440.	1315.	0.9136
431	WAITERS	9989.	10727.	1.0739
432	FOOD SERVICE WRKR NEC	2470.	4477.	1.8121
433	HEALTH SERVICE WORKERS	8399.	12557.	1.4951
434	DENTAL ASSISTANTS	348.	405.	1.1645
435	HEALTH AIDES EX NURSEIN	302.	953.	3.1490
436	HEALTH TRAINEES	701.	4.	0.0064
437	LAY MIDWIFE	3.	4.	1.1931
438	NURSING AIDE ORDERLY	5107.	7815.	1.5300
439	PRACTICAL NURSES	1935.	3374.	1.7436
440	PERSONAL SERVICE WORKERS	8903.	10620.	1.1928

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN BALANCE OF STATE

		1960	1970	1960-70
441	AIRLINE STEWARDESS	114.	45.	0.0439
442	ATTENDANT, RECREAT $ AM	858.	522.	0.6089
443	ATTENDANT, PERS SRV NEC	771.	397.	0.5152
444	BAGGAGE PORTER $ BELLHO	101.	127.	1.2568
445	BARBERS	1957.	1838.	0.9392
446	BOADING $ LODGING HSEKP	56.	44.	0.7800
447	BOOTBLACKS	181.	25.	0.1390
448	CHILD CARE EX PR HHD	315.	1622.	5.1488
449	ELEVATOR OPERATORS	206.	294.	1.4289
450	HAIRDRESSER $ COSMETOL	3209.	4091.	1.2748
451	PERSONAL SVC APPRENTICE	12.	4.	0.3214
452	HOUSEKEEPER EX PR HHD	959.	1251.	1.3044
453	SCHOOL MONITORS	17.	228.	12.7382
454	USHER, RECREAT $ AMUS	135.	86.	0.6387
455	WELFARE SVC AIDES	6.	80.	12.7160
456	PROTECTIVE SERVICE WORKER	5603.	8825.	1.5750
457	CROSSING GUARD $ BRIDGE	254.	359.	1.4126
458	FIREMEN, FIREPROTECTION	479.	901.	1.8814
459	GUARD $ WATCHMEN	3105.	3956.	1.2742
460	MARSHAL $ CONSTABLE	27.	25.	0.9290
461	POLICEMEN $ DETECTIVES	1620.	3408.	2.1037
462	SHERIFFS $ BAILIFFS	116.	173.	1.4842
463	PRIVATE HOUSE WORKERS	13939.	9434.	0.6768
464	CHILD CARE WORKER PRV HHD	2864.	1716.	0.5990
465	COOKS PRV HHD	311.	282.	0.9077
466	HOUSEKEEPER PRV HHD	1196.	1066.	0.8916
467	LAUNDRESS PRV HHD	318.	128.	0.4025
468	MAID $ SERVANT PRV HHD	9247.	6240.	0.6747
469	OCCUPATION NOT REPORTED	26866.	49531.	1.8436

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALLENTOWN-BETHLEHEM

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL CCC	183288.	197768.	1.0790
2	PROF TECH AND KINDRED	17168.	24000.	1.3979
3	ACCOUNTANTS	1034.	1439.	1.3916
4	ARCHITECTS	48.	56.	1.1708
5	COMPUTER SPECIALISTS	24.	545.	22.5247
6	COMPUTER PROGRAMMERS	16.	342.	20.9144
7	COMP SYSTEMS ANALYSTS	6.	184.	27.7524
8	COMPUTER SPEC. NEC	1.	19.	15.5724
9	ENGINEERS	2074.	2904.	1.4003
10	AERONAUT AND ASTRON ENG	3.	9.	2.5816
11	CHEMICAL ENGINEERS	167.	215.	1.2845
12	CIVIL ENGINEERS	366.	309.	0.8434
13	ELECTR AND ELECTRO ENG	334.	693.	2.0756
14	INDUSTRIAL ENGINEERS	315.	517.	1.6415
15	MECHANICAL ENGINEERS	491.	427.	0.8693
16	METALLUR AND MATER ENG	96.	164.	1.7136
17	MINING ENGINEERS	8.	23.	2.8770
18	PETORLEUM ENGINEERS	9.	0.	0.0000
19	SALES ENGINEERS	142.	94.	0.6606
20	ENGINEERS, NEC	139.	449.	3.2371
21	FARM MANAGEMENT ADVISORS	18.	13.	0.7331
22	FORESTOR $ CONSRVATIONIST	10.	8.	0.7882
23	HOME MANAGEMENT ADVISORS	3.	3.	0.9029
24	LAWYERS AND JUDGES	365.	368.	1.0108
25	JUDGES	18.	18.	0.9894
26	LAWYERS	346.	368.	1.0638
27	LIBRARIANS ARCHIV CURATOR	138.	229.	1.6597
28	LIBRARIANS	134.	215.	1.5963
29	ARCHIVISTS AND CURATORS	3.	14.	3.9654
30	MATHEMATICAL SPECIALISTS	10.	62.	6.1369
31	ACTUARIES	2.	9.	3.4308
32	MATHEMATICIANS	0.	8.	8.6369
33	STATISTICIANS	7.	44.	5.9816
34	LIFE $ PHYSICAL SCIENT.	565.	519.	0.9162
35	AGRICULTURAL SCIENTISTS	13.	9.	0.6728
36	ATMOSPHERIC $ SPACE SCI	8.	6.	0.8311
37	BIOLOGICAL SCIENTISTS	7.	76.	10.2076
38	CHEMISTS	483.	362.	0.7499
39	GEOLOGISTS	19.	26.	1.3823
40	MARINE SCIENTISTS	0.	4.	4.3184
41	PHYSICISTS AND ASTRONOM	12.	32.	2.7315
42	LIFE AND PHYS SCIEN NEC	20.	0.	0.0000
43	OPERATIONS $ SYST RESEAR	47.	170.	3.5827
44	PERSONNEL $ LABOR REL WOK	200.	540.	2.6961
45	PHYSICIANS,DENTISTS $ REL	1078.	1276.	1.1832
46	CHIROPRACTORS	34.	60.	1.7670
47	DENTISTS	201.	236.	1.1773
48	OPTOMETRISTS	26.	60.	2.2828
49	PHARMACISTS	189.	220.	1.1617
50	PHYSICIANS& MED $ OSTEO	597.	658.	1.1033
51	PODIATRISTS	26.	16.	0.6287
52	VETERINARIANS	3.	22.	6.3022
53	HEALTH PRACTITIONERS NE	0.	0.	0.0000
54	NURSES, DIETITIANS $ THER	2009.	2488.	1.2385
55	DIETITIANS	48.	36.	0.7556

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALLENTOWN-BETHLEHEM

		1960	1970	1960-70
56	REGISTERED NURSES	1887.	2304.	1.2209
57	THERAPISTS	73.	147.	2.0063
58	HEALTH TECHNOLOG $ TECHIC	298.	475.	1.5902
59	CLIN LAB TECHNO $ TECHN	136.	189.	1.3827
60	DENTAL HYGIENISTS	14.	42.	2.9475
61	HEALTH RECORD TECH	16.	13.	0.8605
62	RADIOLOGIC TECH	92.	131.	1.4209
63	THERAPY ASSISTANTS	1.	4.	2.9983
64	HEALTH TECH, NEC	37.	94.	2.4990
65	RELIGIOUS WORKERS	607.	535.	0.8815
66	CLERGYMEN	505.	485.	0.9610
67	RELIGIOUS WORKERS, NEC	102.	50.	0.4895
68	SOCIAL SCIENTISTS	101.	158.	1.5652
69	ECONOMISTS	70.	99.	1.4041
70	POLITICAL SCIENTISTS	0.	0.	0.0000
71	PSYCHOLOGISTS	26.	31.	1.2026
72	SOCIOLOGISTS	0.	0.	0.0000
73	URBAN AND REG PLANNERS	1.	22.	12.4095
74	SOCIAL SCIENTISTS, NEC	1.	4.	2.3191
75	SOCIAL AND RECR WORKERS	254.	372.	1.4654
76	SOCIAL WORKERS	176.	289.	1.6424
77	RECREATION WORKERS	77.	82.	1.0649
78	TEACHERS, COLLEGE $ UNIV	641.	1198.	1.8671
79	AGRICULTURE TEACHERS	16.	7.	0.4449
80	ATMOS, EARTH, MAR $ SPA	2.	9.	3.8014
81	BIOLOGY TEACHERS	27.	32.	1.2115
82	CHEMISTRY TEACHERS	30.	36.	1.1814
83	PHYSICS TEACHERS	37.	57.	1.5026
84	ENGINEERING TEACHERS	39.	74.	1.9014
85	MATHEMATICS TEACHERS	40.	108.	2.7081
86	HEALTH SPECIALT TEACHER	16.	63.	3.8348
87	PSYCHOLOGY TEACHERS	4.	37.	7.8330
88	BUS. $ COMMERCE TEACHER	19.	24.	1.2211
89	ECONOMICS TEACHERS	12.	33.	2.5969
90	HISTORY TEACHERS	33.	45.	1.3837
91	SOCIOLOGY TEACHERS	2.	20.	8.4634
92	SOCIAL SC TEACHERS NEC	10.	28.	2.6931
93	ART, DRAMA $ MUSIC TEAC	36.	63.	1.7480
94	COACHES $ PHYSICAL ED	15.	38.	2.5099
95	EDUCATION TEACHERS	19.	15.	0.7813
96	ENGLISH TEACHERS	63.	82.	1.3077
97	FOREIGN LANG TEACHERS	19.	56.	2.8320
98	HOME ECONOMICS TEACHERS	0.	4.	4.1565
99	LAW TEACHERS	2.	5.	2.2332
100	THEOLOGY TEACHERS	4.	21.	4.5664
101	TRADE, IND $ TECH TEACH	2.	5.	2.5033
102	MISCELL. TEACHERS, COLL	18.	38.	2.0644
103	TEACHERS, CC $ UNIV NEC	164.	286.	1.7482
104	TEACHERS, EX CC $ UNIV	4076.	5966.	1.4636
105	ADULT EDUCATION TEACHER	88.	56.	0.6316
106	ELEMENTARY SCH TEACHERS	2123.	2770.	1.3044
107	PREKIND $ KINDERG TEACH	151.	266.	1.7544
108	SECONDARY SCH TEACHERS	1378.	2475.	1.7958
109	TEACHERS, NEC	333.	398.	1.1944
110	ENGN $ SC TECHNICIANS	2103.	2716.	1.2916

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALLENTOWN-BETHLEHEM

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	80.	29.	0.3644
112	CHEMICAL TECHNICIANS	198.	170.	0.8569
113	DRAFTMEN	1095.	1381.	1.2614
114	ELEC $ ELECTRON ENG TEC	193.	299.	1.5451
115	IND ENG TECHNICIANS	52.	78.	1.5002
116	MECHNICAL ENG TECH	47.	49.	1.0294
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	63.	86.	1.3618
119	ENG $ SC TECH, NEC	370.	621.	1.6744
120	TECHN, EX HEAL ENG $ SC	118.	227.	1.9178
121	AIRPLANE PILOTS	29.	88.	2.9836
122	AIR TRAFFIC CONTROLLERS	14.	21.	1.5399
123	EMBALMERS	22.	0.	0.0000
124	FLIGHT ENGINEERS	0.	5.	10.8983
125	RADIO OPERATORS	34.	40.	1.1815
126	TOOL PROGRAMMER, NUM CO	8.	5.	0.6233
127	TECHNICIANS NEC	8.	66.	7.4235
128	VOCATION AND ED COUNSELOR	61.	238.	3.8572
129	WRITER, ARTIST $ ENTERTNR	1118.	1287.	1.1512
130	ACTORS	2.	4.	1.5176
131	ATHLETES $ KINDRED WORKER	32.	88.	2.7047
132	AUTHORS	19.	26.	1.3771
133	DANCERS	10.	6.	0.5928
134	DESIGNERS	186.	237.	1.2741
135	EDITORS AND REPORTERS	265.	310.	1.1663
136	MUSICIANS $ COMPOSERS	208.	137.	0.6599
137	PAINTERS AND SCULPTORS	150.	144.	0.9565
138	PHOTOGRAPHERS	130.	108.	0.8350
139	PUB REL MEN $ PUB WRITR	43.	103.	2.3934
140	RADIO $ TV ANNOUNCERS	32.	38.	1.1632
141	WRITER ARTIST $ ENT NEC	35.	82.	2.3285
142	RESEARCH WORKERS NOT SPEC	156.	195.	1.2445
143	MANAGER $ ADM, EXC FARM	12234.	11782.	0.9629
144	ASSESSOR CONTR $ TREAS	49.	89.	1.8271
145	BANK OFFICER $ FIN MANG	51.	514.	9.9589
146	BUYER $ SHIPPER, FARM	37.	0.	0.0000
147	BUYER, WHOL $ RET TRADE	214.	529.	2.4615
148	CREDIT MEN	86.	100.	1.1622
149	FUNERAL DIRECTORS	109.	101.	0.9268
150	HEALTH ADMINISTRATORS	18.	120.	6.6590
151	CONSTRUCTION INSPECTORS	30.	44.	1.4549
152	INSPECTOR, EXC CONSTRUC	100.	88.	0.8801
153	MANAGER $ SUPERINT, BLD	9.	82.	8.7609
154	OFFICE MANAGERS NEC	48.	44.	0.9169
155	OFFICER PILOT PURS SHIP	9.	0.	0.0000
156	OFFIC $ ADM, PUB AD NEC	380.	267.	0.7012
157	OFF OF LODGE SO $ UNION	106.	101.	0.9512
158	POSTMASTER $ MAIL SUPER	73.	23.	0.3160
159	PURCH AGT $ BUYER NEC	284.	437.	1.5339
160	RAILROAD CONDUCTORS	180.	130.	0.7225
161	RESTAUR CAFET $ BAR MAN	600.	688.	1.1449
162	SALES MANAGERS, RET TRD	259.	449.	1.7342
163	SALES MANAGERS, EXC RET	143.	523.	3.6581
164	SCHOOL ADM, COLLEGE	31.	101.	3.2387
165	SCHOOL ADM, EL $ SECOND	258.	324.	1.2515

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALLENTOWN-BETHLEHEM

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	9148.	7019.	0.7672
167	SALES WORKERS	12596.	11711.	0.9297
168	ADVERTISING AGT $ SALES	59.	107.	1.8097
169	AUCTIONEERS	7.	5.	0.7003
170	DEMONSTRATORS	84.	57.	0.6733
171	HUCKSTERS $ PEDDLERS	102.	166.	1.6310
172	INS AGT BRKR UNDERWRTRS	806.	855.	1.0599
173	NEWSBOYS	870.	244.	0.2810
174	REAL EST AGT $ BROKERS	284.	311.	1.0940
175	STOCK $ BOND SALESMEN	66.	131.	1.9766
176	SALES REPRSTTV, MFG IND	1246.	1027.	0.8246
177	SALES REPRSTTIV, WHO TR	1330.	1362.	1.0238
178	SALES CLERKS, RET TRADE	5937.	6052.	1.0193
179	SALESMEN, RETAIL TRADE	1241.	1004.	0.8086
180	SALESMEN OF SVC $ CONST	559.	386.	0.6921
181	CLERICAL $ KIND WORKERS	22945.	29141.	1.2699
182	BANK TELLERS	315.	660.	2.0934
183	BILLING CLERKS	120.	368.	3.0431
184	BOOKKEEPERS	1922.	3615.	1.8808
185	CASHIERS	1046.	1677.	1.6037
186	CLERICAL ASST, SOC WELF	0.	5.	5.1660
187	CLERICAL SUPERV, NEC	172.	104.	0.6074
188	COLLECTOR, BILL $ ACCT	61.	94.	1.5366
189	COUNTER CLERK, EX FOOD	370.	415.	1.1223
190	DISPATCHER $ STARTERS	91.	198.	2.1631
191	ENUMERATOR $ INTERVIEWR	316.	40.	0.1262
192	ESTIMATOR $ INV NEC	409.	511.	1.2484
193	EXPEDITER $ PROD CONTRL	498.	788.	1.5808
194	FILE CLERKS	335.	749.	2.2357
195	INSUR ADJUSTER, EXAM	99.	190.	1.9181
196	LIBRARY ATTENDANT	101.	247.	2.4284
197	MAIL CARRIER, POST OFF	406.	508.	1.2524
198	MAIL HANDLER, EX POST	206.	272.	1.3178
199	MESSENGER $ OFF BOY	97.	106.	1.0901
200	METER READER, UTILITIES	140.	90.	0.6442
201	OFFICE MACHINE OPERATORS	558.	1271.	2.2768
202	BOOKKPNG $ BILL MACH OP	91.	142.	1.5553
203	CALCULATING MACH OP	62.	33.	0.5431
204	COMPUTER $ PERIPH EQUIP	3.	244.	69.5158
205	DUPLICATING MACH OP	26.	56.	2.1188
206	KEYPUNCH OPERATORS	288.	667.	2.3182
207	TABULATING MACH OP	51.	25.	0.5079
208	OFFICE MACH OP, NEC	35.	101.	2.8302
209	PAYROLL $ TIMEKPNG CLERKS	342.	535.	1.5651
210	POSTAL CLERKS	435.	527.	1.2103
211	PROOFREADERS	48.	183.	3.8084
212	REAL ESTATE APPRAISERS	31.	41.	1.3108
213	RECEPTIONISTS	331.	475.	1.4320
214	SECRETARIES	3449.	6162.	1.7863
215	SECRETARIES, LEGAL	80.	154.	1.9065
216	SECRETARIES, MEDICAL	80.	215.	2.6704
217	SECRETARIES, NEC	3288.	5793.	1.7617
218	SHIPPING $ RECEIV CLERKS	1203.	1436.	1.1933
219	STATISTICAL CLERKS	423.	559.	1.3212
220	STENOGRAPHERS	758.	280.	0.3703

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALLENTOWN-BETHLEHEM

		1960	1970	1960-70
221	STOCK CLERKS & STOREKEEPE	934.	923.	0.9887
222	TEACHER AIDES, EX SCHL MD	34.	151.	4.3598
223	TELEGRAPH MESSENGERS	3.	3.	0.8948
224	TELEGRAPH OPERATORS	21.	9.	0.4337
225	TELEPHONE OPERATORS	859.	655.	0.7626
226	TICKET, STATION & EXP AGT	97.	107.	1.1037
227	TYPISTS	1072.	2455.	2.2886
228	WEIGHERS	152.	124.	0.8132
229	MISCELLANEOUS CLERICAL	976.	1101.	1.1279
230	NOT SPECIFIED CLERIC WORK	4494.	1487.	0.3310
231	CRAFTMEN AND KINDRED WRK	28932.	29046.	1.0039
232	AUTO ACCESS INSTALLERS	18.	10.	0.5513
233	BAKERS	364.	338.	0.9286
234	BLACKSMITHS	55.	56.	1.0155
235	BOILERMAKERS	35.	67.	1.9031
236	BOOKBINDERS	56.	92.	1.6349
237	BRICKMASON & STONEMASON	566.	485.	0.8560
238	BRICK & STONEMASON APPAR	5.	12.	2.2651
239	BULLDOZER OPERATORS	203.	88.	0.4364
240	CABINETMAKERS	137.	142.	1.0330
241	CARPENTERS	1731.	1994.	1.1520
242	CARPENTER APPRENTICES	7.	30.	4.1434
243	CARPET INSTALLERS	76.	107.	1.4189
244	CEMENT & CONCRETE FINSHER	54.	140.	2.5603
245	COMPOSITOR & TYPESETTER	714.	738.	1.0337
246	PRINT APPRENT, EXC PRESS	25.	30.	1.2023
247	CRANEMEN DERRICKMEN HOIST	1385.	1241.	0.8963
248	DECORATOR & WINDOW DRESSE	133.	162.	1.2132
249	DENTAL LAB TECHNICIANS	31.	31.	0.9738
250	ELECTRICIANS	1130.	1286.	1.1380
251	ELECTRICIAN APPRENTICES	15.	54.	3.5294
252	ELEC POWER LINE & CABLEMN	181.	328.	1.8042
253	ELECTRO & STEREOTYPERS	11.	23.	1.9525
254	ENGRAVERS, EXC PHOTOGRAVR	27.	24.	0.8754
255	EXCAVATING GRADING OPERTR	328.	446.	1.3574
256	FLOOR LAYER EXC TILE SETR	54.	38.	0.7015
257	FOREMEN NEC	4313.	5312.	1.2314
258	FOREMEN AND HAMMERMEN	143.	81.	0.5650
259	FURNITURE & WOOD FINISHER	79.	76.	0.9697
260	FURRIERS	29.	4.	0.1476
261	GLAZIERS	18.	65.	3.4577
262	HEAT TREATER ANNEALER	158.	168.	1.0641
263	INSPECTOR, LOG & LUMBER	6.	3.	0.5445
264	INSPECTORS, NEC	546.	461.	0.8436
265	JEWELERS AND WATCHMAKERS	75.	63.	0.8343
266	JOB & DIE SETTER, METAL	136.	250.	1.8343
267	LOCOMOTIVE ENGINEERS	272.	172.	0.6338
268	LOCOMOTIVE FIREMEN	161.	27.	0.1711
269	MACHINISTS	1765.	704.	0.3993
270	MACHINIST APPRENTICES	10.	30.	2.8071
271	MECHANICS AND REPAIRMEN	6831.	6908.	1.0112
272	AIRCON HEAT & REFRGRTR	207.	338.	1.6317
273	AIRCRAFT	25.	44.	1.7454
274	AUTO BODY REPAIRMEN	212.	252.	1.1873
275	AUTO MECHANICS	1640.	2158.	1.3157

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALLENTOWN-BETHLEHEM

		1960	1970	1960-70
276	AUTO MECHANIC APPR	11.	8.	0.7792
277	DATA PROCESS MACH REPR	0.	80.	80.3383
278	FARM IMPLEMENT	155.	52.	0.3385
279	HEAVY EQUIP MECHANICS	1032.	2171.	2.1031
280	HOUSEHOLD APPL $ ACC	335.	399.	1.1908
281	LOOM FIXERS	122.	68.	0.5581
282	OFFICE MACHINE	70.	106.	1.5054
283	RADIO AND TV	188.	309.	1.6406
284	RAILROAD AND CAR SHOP	199.	176.	0.8842
285	MECHANIC EX AUTO APPR	13.	20.	1.5010
286	MISCELL MECHAN $ REPAIR	641.	495.	0.7729
287	NOT SPEC MECH $ REPAIR	1975.	226.	0.1145
288	MILLER GRAIN FLOUR $ FEED	36.	12.	0.3260
289	MILLWRITHTS	133.	329.	2.4793
290	MOLDERS, METAL	504.	321.	0.6369
291	MOLDER APPRENTICES	0.	4.	6.5314
292	MOTION PIC PROJECTIONISTS	62.	29.	0.4700
293	OPTICIAN $ LENS GRINDER	46.	60.	1.3045
294	PRINTER, CONST $ MAINTENC	862.	657.	0.7620
295	PAINTER APPRENTICES	0.	2.	2.6395
296	PAPERHANGERS	68.	44.	0.6595
297	PATTERN $ MODEL MAKER	228.	199.	0.8715
298	PHOTOENGRAVER $ LITHOGRPH	106.	108.	1.0204
299	PIANO $ ORGAN TUNER $ REP	18.	7.	0.4220
300	PLASTERERS	96.	85.	0.8847
301	PLASTERER APPRENTICES	0.	1.	1.2093
302	PLUMBER $ PIPE FITTER	822.	935.	1.1374
303	PLUMBER $ PIPE FIT APPR	14.	39.	2.7252
304	POWER STATION OPERATORS	146.	51.	0.3538
305	PRESSMEN $ PLATE PRINTER	233.	484.	2.0759
306	PRESSMAN APPRENTICES	4.	7.	1.6414
307	ROLLER $ FINISHER,METAL	239.	186.	0.7799
308	ROOFER AND SLATER	197.	278.	1.4044
309	SHEETMETAL WORKER $ TINSM	319.	326.	1.0227
310	SHEETMETAL APPRENTICES	6.	13.	2.2643
311	SHIPFITTERS	40.	0.	0.0000
312	SHOE REPAIRMEN	130.	60.	0.4648
313	SIGN PAINTERS $ LETTERER	68.	54.	0.7945
314	STATIONARY ENGINEERS	771.	364.	0.4724
315	STONE CUTTER $ CARVER	34.	20.	0.6011
316	STRUCTURAL METAL DRAFTMEN	225.	278.	1.2360
317	TAILORS	276.	396.	1.4317
318	TELEPHONE INST $ REPAIRMN	358.	491.	1.3697
319	TELEPHONE LINEMEN $SPLICR	98.	159.	1.6240
320	TILE SETTER	153.	39.	0.2562
321	TOOL AND DIE MAKERS	311.	297.	0.9566
322	TOOL AND DIE MAKER APPR	4.	16.	4.1608
323	UPHOLSTERERS	102.	75.	0.7348
324	SPECIFIED CRAFT APPR, NEC	25.	30.	1.1741
325	NOT SPEC APPRENTICES	15.	7.	0.5051
326	DRAFTMEN $ KIND WRKR NEC	259.	256.	0.9913
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	44615.	44883.	1.0060
329	ASBESTOS $ INSUL WORKERS	30.	79.	2.6184
330	ASSEMBLERS	3085.	3670.	1.1897

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALLENTOWN-BETHLEHEM

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	25.	17.	0.6797
332	BOTTLING & CANNING OPERT	237.	152.	0.6444
333	CHAINMEN RODMEN & AXMEN	8.	31.	3.8556
334	CHECKER EXAMINER INS.MFG	1971.	2395.	1.2146
335	CLOTHING IRONER & PRESSER	758.	1273.	1.6799
336	CUTTING OPERATIVE NEC	1787.	1103.	0.6177
337	DRESSMAKER &SEAMSTRESS	399.	251.	0.6296
338	DRILLERS, EARTH	142.	106.	0.7434
339	DRY WALL INSTALLER & LATH	177.	64.	0.3656
340	DYERS	274.	163.	0.5942
341	FILER POLISHER SANDER	530.	298.	0.5634
342	FURNACEMEN SMELTERMEN	551.	429.	0.7778
343	GARAGE WORKERS & GAS STAT	801.	832.	1.0377
344	GRADER &SORTER, MFG	93.	156.	1.6633
345	PRODUCE GRADER & PACKER	115.	0.	0.0000
346	HEATER, METAL	192.	134.	0.6990
347	LAUNDRY & DRY CLNG OP NEC	437.	414.	0.9490
348	MEAT CUTTER & BUTCHER	447.	420.	0.9380
349	MEAT CUTTER & BUTCHER MFG	331.	92.	0.2788
350	MEAT WRAPPER RETAIL TRADE	139.	133.	0.9542
351	METAL PLATERS	120.	170.	1.4064
352	MILLINERS	6.	0.	0.0000
353	MINE OPERATIVES NEC	349.	245.	0.7033
354	MIXING OPERATIVES	236.	277.	1.1715
355	OILER AND GREASER, EX AUT	184.	199.	1.0814
356	PACKER & WRAPPER EX MEAT	1730.	2185.	1.2625
357	PAINTER, MFG ARTICLES	415.	386.	0.9305
358	PHOTOG PROCESS WORKERS	112.	114.	1.0118
359	PRECISION MACHINE OPERATV	1026.	1899.	1.8505
360	DRILL PRESS OPERATIVES	242.	325.	1.3425
361	GRINDING MACHINE OPERTV	258.	609.	2.3608
362	LATHE & LILLING MACH OP	351.	795.	2.2619
363	PRECISION MACH OP NEC	173.	168.	0.9688
364	PUNCH & STAMPING PRESS OP	687.	326.	0.4749
365	RIVETER AND FASTNERS	107.	52.	0.4915
366	SAILORS AND DECKHANDLERS	0.	2.	2.5912
367	SAWYERS	129.	256.	1.9828
368	SEWERS AND STICHERS	10939.	11164.	1.0205
369	SHOEMAKING MACH OPRTV	579.	136.	0.2356
370	SOLDERERS	325.	112.	0.3449
371	STATIONARY FIREMEN	482.	524.	1.0863
372	TEXTILE OPERATIVES	2647.	1980.	0.7482
373	CARDING LAPPING OP	171.	20.	0.1211
374	KNITTING LOOPER TOPPER	297.	405.	1.3638
375	SPINNER TWISTER & WINDE	659.	521.	0.7907
376	WEAVERS	667.	234.	0.3505
377	TEXTILE OP NEC	850.	798.	0.9380
378	WELDERS & FLAMECUTTERS	1264.	1878.	1.4855
379	WINDING OP NEC	211.	241.	1.1419
380	MACHINE OP, MISC SPECIFD	3099.	3975.	1.2828
381	MACHINE OP NOT SPECIFIED	2584.	1630.	0.6310
382	MISCELL OPERATIVES	3361.	2244.	0.6679
383	NOT SPECIFIED OPERATIVES	1473.	2654.	1.8014
384	TRANSPORT EQUIPMENT OPERT	7314.	7369.	1.0075
385	BOATMEN AND CANALMEN	0.	6.	6.9099

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALLENTOWN-BETHLEHEM

		1960	1970	1960-70
386	BUS DRIVERS	358.	385.	1.0759
387	CONDUCTOR $ MOTORMEN	0.	0.	0.0000
388	DELIVERYMEN $ ROUTEMEN	1323.	1981.	1.4969
389	FORK LIFT $ TOW MOTOR OP	424.	618.	1.4571
390	MOTORMEN MINE FACTORY ETC	14.	31.	2.1793
391	PARKING ATTENDANTS	62.	89.	1.4375
392	RAILROAD BRAKEMEN	613.	384.	0.6268
393	RIALROAD SWITCHMEN	70.	31.	0.4437
394	TAXICAB DRIVERS $ CHAUFFR	285.	160.	0.5617
395	TRUCK DRIVERS	4162.	3680.	0.8841
396	LABORERS, EX FARM	11750.	8824.	0.7510
397	ANIMAL CARETAKER EX FARM	103.	63.	0.6135
398	CARPENTERS HELPERS	85.	94.	1.1058
399	CONSTRUCT LABOR EXC CARP	2951.	1408.	0.4772
400	FISHERMEN AND OYSTERMEN	8.	8.	0.9604
401	FREIGHT $ MATERIAL HANDLR	1684.	1758.	1.0442
402	GARBAGE COLLECTORS	129.	151.	1.1763
403	GARDNERS AND GROUNDKEEPER	568.	580.	1.0203
404	LONGSHOREMEN $ STEVEDORES	3.	5.	1.4110
405	LUMBERMEN RAFTMEN $ WDCHP	54.	22.	0.4122
406	STOCK HANDLERS	1275.	1262.	0.9896
407	TEAMSTERS	7.	4.	0.5693
408	VEHICLE WASHER $ EQUIP CL	506.	370.	0.7316
409	WAREHOUSEMEN NEC	118.	139.	1.1785
410	MISCELL LABORERS	1149.	1192.	1.0372
411	NOT SPECIFIED LABORERS	3103.	1761.	0.5674
412	FARMERS AND FARM MANAGERS	2085.	888.	0.4261
413	FARMERS OWNERS $ TENANTS	1980.	826.	0.4175
414	FARM MANAGERS	105.	61.	0.5897
415	FARM LABORER $ FOREMEN	1610.	791.	0.4916
416	FARM FOREMEN	25.	3.	0.1314
417	FARM LABORER WAGE WORKER	1296.	635.	0.4898
418	FARM LABORER UNPAID FAM W	287.	150.	0.5225
419	FARM SERVICE LABOR, SELF	0.	2.	2.6950
420	SERVICE WORKER EX PRI HHD	14028.	18766.	1.3378
421	CLEANING SERVICE WORKER	3822.	5111.	1.3371
422	CHAMBERMAID EX PRV HHD	318.	435.	1.3671
423	CLEANERS $ CHARWOMEN	1032.	1203.	1.1658
424	JANITOR AND SEXTON	2472.	3473.	1.4048
425	FOOD SERVICE WORKERS	4854.	6883.	1.4179
426	BARTENDERS	830.	808.	0.9728
427	BUSBOYS	239.	106.	0.4441
428	COOKS EX PR HHD	24.	1594.	65.9758
429	DISHWASHERS	415.	536.	1.2908
430	FOOD COUNTER $ FOUNTAIN	493.	383.	0.7765
431	WAITERS	2117.	2414.	1.1401
432	FOOD SERVICE WRKR NEC	732.	1040.	1.4192
433	HEALTH SERVICE WORKERS	1489.	2366.	1.5890
434	DENTAL ASSISTANTS	70.	165.	2.3519
435	HEALTH AIDES EX NURSEIN	69.	153.	2.1861
436	HEALTH TRAINEES	258.	32.	0.1273
437	LAY MIDWIFE	0.	0.	0.0000
438	NURSING AIDE ORDERLY	750.	1337.	1.7813
439	PRACTICAL NURSES	340.	678.	1.9924
440	PERSONAL SERVICE WORKERS	2088.	2319.	1.1106

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALLENTOWN-BETHLEHEM

		1960	1970	1960-70
441	AIRLINE STEWARDESS	25.	8.	0.3431
442	ATTENDANT, RECREAT $ AM	126.	133.	1.0506
443	ATTENDANT, PERS SRV NEC	186.	102.	0.5524
444	BAGGAGE PORTER $ BELLHO	44.	5.	0.1169
445	BARBERS	492.	424.	0.8629
446	BOADING $ LODGING HSEKP	18.	7.	0.4159
447	BOOTBLACKS	33.	0.	0.0000
448	CHILD CARE EX PR HHD	78.	136.	1.7445
449	ELEVATOR OPERATORS	94.	65.	0.6944
450	HAIRDRESSER $ COSMETOL	755.	1169.	1.5471
451	PERSONAL SVC APPRENTICE	2.	1.	0.4918
452	HOUSEKEEPER EX PR HHD	209.	141.	0.6764
453	SCHOOL MONITORS	4.	57.	13.5065
454	USHER, RECREAT $ AMUS	14.	23.	1.5630
455	WELFARE SVC AIDES	1.	42.	26.0133
456	PROTECTIVE SERVICE WORKER	1772.	2085.	1.1761
457	CROSSING GUARD $ BRIDGE	125.	132.	1.0495
458	FIREMEN, FIREPROTECTION	203.	319.	1.5703
459	GUARD $ WATCHMEN	845.	813.	0.9630
460	MARSHAL $ CONSTABLE	3.	3.	0.9163
461	POLICEMEN $ DETECTIVES	579.	797.	1.3768
462	SHERIFFS $ BALIFFS	15.	18.	1.2026
463	PRIVATE HOUSE WORKERS	2589.	1386.	0.5353
464	CHILD CARE WORKER PRV HHD	530.	150.	0.2634
465	COOKS PRV HHD	59.	44.	0.7494
466	HOUSEKEEPER PRV HHD	223.	107.	0.4813
467	LAUNDRESS PRV HHD	58.	14.	0.2483
468	MAID $ SERVANT PRV HHD	1717.	1069.	0.6224
469	OCCUPATION NOT REPORTED	5417.	9176.	1.6937

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALTOONA

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL OCC	49182.	54282.	1.1036
2	PROF TECH AND KINDRED	4375.	5673.	1.2966
3	ACCOUNTANTS	181.	292.	1.6151
4	ARCHITECTS	9.	16.	1.7257
5	COMPUTER SPECIALISTS	5.	77.	14.4109
6	COMPUTER PROGRAMMERS	3.	53.	14.8256
7	COMP SYSTEMS ANALYSTS	1.	18.	12.6968
8	COMPUTER SPEC. NEC	0.	5.	17.7716
9	ENGINEERS	346.	371.	1.0735
10	AERONAUT AND ASTRON ENG	7.	3.	0.4299
11	CHEMICAL ENGINEERS	20.	4.	0.2022
12	CIVIL ENGINEERS	61.	70.	1.1357
13	ELECTR AND ELECTRO ENG	59.	91.	1.5295
14	INDUSTRIAL ENGINEERS	70.	79.	1.1218
15	MECHANICAL ENGINEERS	57.	35.	0.6099
16	METALLUR AND MATER ENG	10.	5.	0.5691
17	MINING ENGINEERS	7.	1.	0.2176
18	PETORLEUM ENGINEERS	6.	0.	0.0365
19	SALES ENGINEERS	17.	8.	0.4571
20	ENGINEERS, NEC	26.	72.	2.6896
21	FARM MANAGEMENT ADVISORS	2.	3.	1.3583
22	FORESTOR $ CONSRVATIONIST	21.	22.	1.0686
23	HOME MANAGEMENT ADVISORS	4.	1.	0.3385
24	LAWYERS AND JUDGES	70.	74.	1.0591
25	JUDGES	3.	8.	2.5942
26	LAWYERS	67.	66.	0.9867
27	LIBRARIANS ARCHIV CURATOR	42.	73.	1.7146
28	LIBRARIANS	42.	69.	1.6366
29	ARCHIVISTS AND CURATORS	0.	4.	6.9319
30	MATHEMATICAL SPECIALISTS	3.	3.	1.1460
31	ACTUARIES	0.	1.	2.0531
32	MATHEMATICIANS	1.	2.	1.6565
33	STATISTICIANS	1.	0.	0.3997
34	LIFE $ PHYSICAL SCIENT.	75.	42.	0.5612
35	AGRICULTURAL SCIENTISTS	6.	4.	0.5956
36	ATMOSPHERIC $ SPACE SCI	1.	0.	0.6295
37	BIOLOGICAL SCIENTISTS	2.	8.	4.1685
38	CHEMISTS	57.	23.	0.4054
39	GEOLOGISTS	1.	1.	0.7050
40	MARINE SCIENTISTS	0.	0.	0.1749
41	PHYSICISTS AND ASTRONOM	3.	3.	0.9225
42	LIFE AND PHYS SCIEN NEC	2.	0.	0.1754
43	OPERATIONS $ SYST RESEAR	10.	20.	2.0498
44	PERSONNEL $ LABOR REL WOK	46.	118.	2.5345
45	PHYSICIANS,DENTISTS $ REL	281.	365.	1.2992
46	CHIROPRACTORS	14.	17.	1.1624
47	DENTISTS	66.	71.	1.0727
48	OPTOMETRISTS	9.	20.	2.2338
49	PHARMACISTS	44.	56.	1.2864
50	PHYSICIANSH MED $ OSTEO	131.	191.	1.4594
51	PODIATRISTS	4.	4.	1.0571
52	VETERINARIANS	11.	2.	0.2532
53	HEALTH PRACTITIONERS NE	0.	0.	0.4162
54	NURSES, DIETITIANS $ THER	574.	942.	1.6408
55	DIETITIANS	14.	30.	2.0320

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALTOONA

		1960	1970	1960-70
56	REGISTERED NURSES	546.	863.	1.5789
57	THERAPISTS	12.	49.	3.7984
58	HEALTH TECHNOLOG $ TECHIC	64.	181.	2.8262
59	CLIN LAB TECHNO $ TECHN	27.	82.	2.9527
60	DENTAL HYGIENISTS	2.	9.	3.1924
61	HEALTH RECORD TECH	5.	8.	1.7745
62	RADIOLOGIC TECH	18.	44.	2.3711
63	THERAPY ASSISTANTS	0.	1.	4.6965
64	HEALTH TECH, NEC	9.	34.	3.7723
65	RELIGIOUS WORKERS	248.	212.	0.8550
66	CLERGYMEN	220.	195.	0.8875
67	RELIGIOUS WORKERS, NEC	27.	16.	0.5952
68	SOCIAL SCIENTISTS	15.	26.	1.7925
69	ECONOMISTS	8.	7.	0.9088
70	POLITICAL SCIENTISTS	0.	0.	0.2933
71	PSYCHOLOGISTS	5.	12.	2.3163
72	SOCIOLOGISTS	0.	0.	0.8318
73	URBAN AND REG PLANNERS	0.	5.	13.3424
74	SOCIAL SCIENTISTS, NEC	0.	0.	0.7604
75	SOCIAL AND RECR WORKERS	70.	118.	1.6741
76	SOCIAL WORKERS	56.	100.	1.7962
77	RECREATION WORKERS	14.	17.	1.1978
78	TEACHERS, COLLEGE $ UNIV	166.	362.	2.1826
79	AGRICULTURE TEACHERS	3.	6.	1.9384
80	ATMOS, EARTH, MAR $ SPA	0.	8.	17.1011
81	BIOLOGY TEACHERS	7.	14.	2.0120
82	CHEMISTRY TEACHERS	7.	10.	1.3798
83	PHYSICS TEACHERS	8.	8.	1.0644
84	ENGINEERING TEACHERS	8.	14.	1.6578
85	MATHEMATICS TEACHERS	9.	21.	2.2352
86	HEALTH SPECIALT TEACHER	4.	18.	4.0375
87	PSYCHOLOGY TEACHERS	1.	7.	7.6562
88	BUS. $ COMMERCE TEACHER	5.	6.	1.2054
89	ECONOMICS TEACHERS	3.	10.	3.1906
90	HISTORY TEACHERS	8.	8.	1.0331
91	SOCIOLOGY TEACHERS	0.	4.	8.3693
92	SOCIAL SC TEACHERS NEC	3.	5.	1.6158
93	ART, DRAMA $ MUSIC TEAC	8.	18.	2.1322
94	COACHES $ PHYSICAL ED	5.	11.	1.9168
95	EDUCATION TEACHERS	5.	4.	0.7635
96	ENGLISH TEACHERS	18.	29.	1.6131
97	FOREIGN LANG TEACHERS	6.	16.	2.4504
98	HOME ECONOMICS TEACHERS	0.	1.	1.1205
99	LAW TEACHERS	0.	1.	3.0756
100	THEOLOGY TEACHERS	1.	6.	3.2253
101	TRADE, IND $ TECH TEACH	0.	1.	3.2419
102	MISCELL. TEACHERS, COLL	4.	10.	2.1961
103	TEACHERS, CC $ UNIV NEC	41.	115.	2.7845
104	TEACHERS, EX CC $ UNIV	1492.	1455.	0.9753
105	ADULT EDUCATION TEACHER	25.	14.	0.5622
106	ELEMENTARY SCH TEACHERS	784.	711.	0.9067
107	PREKIND $ KINDERG TEACH	53.	38.	0.7204
108	SECONDARY SCH TEACHERS	534.	593.	1.1091
109	TEACHERS, NEC	94.	98.	1.0453
110	ENGN $ SC TECHNICIANS	355.	434.	1.2217

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALTOONA

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	25.	14.	0.5535
112	CHEMICAL TECHNICIANS	34.	3.	0.1075
113	DRAFTMEN	135.	175.	1.2980
114	ELEC $ ELECTRON ENG TEC	42.	66.	1.5760
115	IND ENG TECHNICIANS	10.	18.	1.7100
116	MECHNICAL ENG TECH	8.	5.	0.6350
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	30.	42.	1.3709
119	ENG $ SC TECH, NEC	67.	108.	1.6069
120	TECHN, EX HEAL ENG $ SC	24.	33.	1.3381
121	AIRPLANE PILOTS	5.	7.	1.3439
122	AIR TRAFFIC CONTROLLERS	2.	2.	0.9913
123	EMBALMERS	9.	3.	0.3600
124	FLIGHT ENGINEERS	0.	0.	0.0063
125	RADIO OPERATORS	3.	7.	2.0286
126	TOOL PROGRAMMER, NUM CO	1.	0.	0.6660
127	TECHNICIANS NEC	2.	12.	4.5609
128	VOCATION AND ED COUNSELOR	13.	51.	3.7474
129	WRITER, ARTIST $ ENTERTNR	213.	302.	1.4180
130	ACTORS	2.	1.	0.4009
131	ATHLETES $ KINDRED WORKER	13.	19.	1.4098
132	AUTHORS	4.	7.	1.7151
133	DANCERS	1.	0.	0.1819
134	DESIGNERS	18.	29.	1.6065
135	EDITORS AND REPORTERS	47.	68.	1.4294
136	MUSICIANS $ COMPOSERS	48.	42.	0.8591
137	PAINTERS AND SCULPTORS	28.	31.	1.0944
138	PHOTOGRAPHERS	24.	34.	1.4169
139	PUB REL MEN $ PUB WRITR	6.	18.	3.1008
140	RADIO $ TV ANNOUNCERS	7.	31.	4.4978
141	WRITER ARTIST $ ENT NEC	7.	16.	2.0412
142	RESEARCH WORKERS NOT SPEC	34.	65.	1.8863
143	MANAGER $ ADM, EXC FARM	3453.	3349.	0.9701
144	ASSESSOR CONTR $ TREAS	19.	31.	1.6158
145	BANK OFFICER $ FIN MANG	13.	134.	9.8850
146	BUYER $ SHIPPER, FARM	13.	8.	0.6564
147	BUYER, WHOL $ RET TRADE	44.	104.	2.3611
148	CREDIT MEN	15.	21.	1.3570
149	FUNERAL DIRECTORS	42.	62.	1.4795
150	HEALTH ADMINISTRATORS	5.	49.	9.3604
151	CONSTRUCTION INSPECTORS	9.	10.	1.0833
152	INSPECTOR, EXC CONSTRUC	30.	29.	0.9709
153	MANAGER $ SUPERINT, BLD	2.	14.	5.8071
154	OFFICE MANAGERS NEC	14.	12.	0.8391
155	OFFICER PILOT PURS SHIP	1.	0.	0.1307
156	OFFIC $ ADM, PUB AD NEC	131.	102.	0.7797
157	OFF OF LODGE SO $ UNION	21.	24.	1.1150
158	POSTMASTER $ MAIL SUPER	60.	33.	0.5548
159	PURCH AGT $ BUYER NEC	44.	69.	1.5495
160	RAILROAD CONDUCTORS	61.	366.	5.9543
161	RESTAUR CAFET $ BAR MAN	175.	155.	0.8886
162	SALES MANAGERS, RET TRD	51.	113.	2.1997
163	SALES MANAGERS, EXC RET	32.	70.	2.1688
164	SCHOOL ADM, COLLEGE	8.	25.	2.8493
165	SCHOOL ADM, EL $ SECOND	97.	71.	0.7331

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALTOONA

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	2553.	1837.	0.7196
167	SALES WORKERS	3300.	3254.	0.9860
168	ADVERTISING AGT $ SALES	15.	30.	2.0013
169	AUCTIONEERS	4.	2.	0.5998
170	DEMONSTRATORS	12.	24.	1.9873
171	HUCKSTERS $ PEDDLERS	20.	89.	4.3176
172	INS AGT BRKR UNDERWRTRS	247.	317.	1.2843
173	NEWSBOYS	193.	41.	0.2155
174	REAL EST AGT $ BROKERS	32.	76.	2.3767
175	STOCK $ BOND SALESMEN	12.	19.	1.4746
176	SALES REPRSTTV, MFG IND	309.	123.	0.3999
177	SALES REPRSTTIV, WHO TR	323.	291.	0.9024
178	SALES CLERKS, RET TRADE	1680.	1807.	1.0755
179	SALESMEN, RETAIL TRADE	307.	319.	1.0260
180	SALESMEN OF SVC $ CONST	141.	114.	0.8062
181	CLERICAL $ KIND WORKERS	4912.	6984.	1.4218
182	BANK TELLERS	115.	145.	1.2621
183	BILLING CLERKS	24.	84.	3.4916
184	BOOKKEEPERS	516.	868.	1.6798
185	CASHIERS	283.	510.	1.7966
186	CLERICAL ASST, SOC WELF	0.	0.	0.4474
187	CLERICAL SUPERV, NEC	32.	55.	1.7081
188	COLLECTOR, BILL $ ACCT	18.	27.	1.4394
189	COUNTER CLERK, EX FOOD	71.	127.	1.7886
190	DISPATCHER $ STARTERS	25.	32.	1.3015
191	ENUMERATOR $ INTERVIEWR	63.	60.	0.9452
192	ESTIMATOR $ INV NEC	85.	86.	1.0088
193	EXPEDITER $ PROD CONTRL	90.	109.	1.2084
194	FILE CLERKS	43.	171.	3.9556
195	INSUR ADJUSTER, EXAM	16.	28.	1.6941
196	LIBRARY ATTENDANT	20.	62.	3.0320
197	MAIL CARRIER, POST OFF	140.	104.	0.7407
198	MAIL HANDLER, EX POST	37.	60.	1.6033
199	MESSENGER $ OFF BOY	8.	18.	2.2669
200	METER READER, UTILITIES	24.	18.	0.7462
201	OFFICE MACHINE OPERATORS	56.	237.	4.2125
202	BOOKKPNG $ BILL MACH OP	9.	15.	1.6201
203	CALCULATING MACH OP	5.	6.	1.1949
204	COMPUTER $ PERIPH EQUIP	0.	51.	144.7146
205	DUPLICATING MACH OP	2.	10.	3.5713
206	KEYPUNCH OPERATORS	28.	139.	4.8614
207	TABULATING MACH OP	5.	2.	0.4064
208	OFFICE MACH OP, NEC	3.	11.	3.3162
209	PAYROLL $ TIMEKPNG CLERKS	76.	133.	1.7342
210	POSTAL CLERKS	123.	119.	0.9663
211	PROOFREADERS	9.	20.	2.1191
212	REAL ESTATE APPRAISERS	7.	10.	1.4378
213	RECEPTIONISTS	75.	141.	1.8830
214	SECRETARIES	806.	1388.	1.7211
215	SECRETARIES, LEGAL	18.	26.	1.3869
216	SECRETARIES, MEDICAL	18.	66.	3.5119
217	SECRETARIES, NEC	768.	1295.	1.6854
218	SHIPPING $ RECEIV CLERKS	213.	352.	1.6552
219	STATISTICAL CLERKS	82.	123.	1.4928
220	STENOGRAPHERS	139.	52.	0.3737

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALTOONA

		1960	1970	1960-70
221	STOCK CLERKS & STOREKEEPE	218.	296.	1.3573
222	TEACHER AIDES, EX SCHL MD	7.	75.	9.8785
223	TELEGRAPH MESSENGERS	1.	0.	0.6875
224	TELEGRAPH OPERATORS	16.	32.	1.9693
225	TELEPHONE OPERATORS	214.	211.	0.9862
226	TICKET, STATION & EXP AGT	28.	31.	1.1074
227	TYPISTS	117.	429.	3.6607
228	WEIGHERS	28.	42.	1.4765
229	MISCELLANEOUS CLERICAL	187.	263.	1.4079
230	NOT SPECIFIED CLERIC WORK	882.	449.	0.5099
231	CRAFTMEN AND KINDRED WRK	7783.	8822.	1.1335
232	AUTO ACCESS INSTALLERS	6.	2.	0.3118
233	BAKERS	96.	126.	1.3094
234	BLACKSMITHS	41.	25.	0.6076
235	BOILERMAKERS	19.	15.	0.8098
236	BOOKBINDERS	22.	37.	1.6859
237	BRICKMASON & STONEMASON	130.	137.	1.0500
238	BRICK & STONEMASON APPAR	1.	3.	2.0770
239	BULLDOZER OPERATORS	99.	54.	0.5507
240	CABINETMAKERS	55.	29.	0.5284
241	CARPENTERS	647.	651.	1.0049
242	CARPENTER APPRENTICES	1.	9.	5.2917
243	CARPET INSTALLERS	12.	37.	2.9430
244	CEMENT & CONCRETE FINSHER	11.	25.	2.2536
245	COMPOSITOR & TYPESETTER	132.	109.	0.8276
246	PRINT APPRENT, EXC PRESS	10.	4.	0.4323
247	CRANEMEN DERRICKMEN HOIST	215.	165.	0.7662
248	DECORATOR & WINDOW DRESSE	29.	38.	1.3276
249	DENTAL LAB TECHNICIANS	6.	17.	2.7457
250	ELECTRICIANS	260.	375.	1.4379
251	ELECTRICIAN APPRENTICES	4.	16.	4.0544
252	ELEC POWER LINE & CABLEMN	57.	99.	1.7461
253	ELECTRO & STEREOTYPERS	2.	2.	1.3561
254	ENGRAVERS, EXC PHOTOGRAVR	2.	4.	2.1462
255	EXCAVATING GRADING OPERTR	223.	219.	0.9813
256	FLOOR LAYER EXC TILE SETR	15.	12.	0.8351
257	FOREMEN NEC	1083.	1243.	1.1475
258	FOREMEN AND HAMMERMEN	21.	19.	0.9066
259	FURNITURE & WOOD FINISHER	20.	9.	0.4651
260	FURRIERS	4.	1.	0.2287
261	GLAZIERS	7.	7.	1.0796
262	HEAT TREATER ANNEALER	25.	11.	0.4577
263	INSPECTOR, LOG & LUMBER	5.	2.	0.4315
264	INSPECTORS, NEC	142.	368.	2.5816
265	JEWELERS AND WATCHMAKERS	24.	23.	0.9643
266	JOB & DIE SETTER, METAL	27.	49.	1.8378
267	LOCOMOTIVE ENGINEERS	89.	338.	3.7617
268	LOCOMOTIVE FIREMEN	63.	131.	2.0689
269	MACHINISTS	501.	368.	0.7340
270	MACHINIST APPRENTICES	8.	11.	1.2793
271	MECHANICS AND REPAIRMEN	1973.	2415.	1.2238
272	AIRCON HEAT & REFRGRTR	36.	74.	2.0273
273	AIRCRAFT	17.	8.	0.4790
274	AUTO BODY REPAIRMEN	73.	90.	1.2261
275	AUTO MECHANICS	568.	614.	1.0813

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALTOONA

		1960	1970	1960-70
276	AUTO MECHANIC APPR	0.	2.	2.4178
277	DATA PROCESS MACH REPR	0.	7.	7.6052
278	FARM IMPLEMENT	37.	23.	0.6336
279	HEAVY EQUIP MECHANICS	252.	519.	2.0589
280	HOUSEHOLD APPL $ ACC	80.	83.	1.0365
281	LOOM FIXERS	22.	31.	1.3766
282	OFFICE MACHINE	10.	17.	1.6544
283	RADIO AND TV	75.	110.	1.4791
284	RAILROAD AND CAR SHOP	161.	653.	4.0535
285	MECHANIC EX AUTO APPR	4.	4.	0.8770
286	MISCELL MECHAN $ REPAIR	155.	109.	0.7028
287	NOT SPEC MECH $ REPAIR	475.	63.	0.1333
288	MILLER GRAIN FLOUR $ FEED	15.	12.	0.7807
289	MILLWRITHTS	59.	39.	0.6704
290	MOLDERS, METAL	72.	35.	0.4840
291	MOLDER APPRENTICES	0.	0.	2.8029
292	MOTION PIC PROJECTIONISTS	9.	4.	0.4910
293	OPTICIAN $ LENS GRINDER	7.	18.	2.6560
294	PRINTER, CONST $ MAINTENC	205.	204.	0.9976
295	PAINTER APPRENTICES	0.	0.	4.2834
296	PAPERHANGERS	14.	7.	0.4972
297	PATTERN $ MODEL MAKER	28.	13.	0.4661
298	PHOTOENGRAVER $ LITHOGRPH	7.	3.	0.5319
299	PIANO $ ORGAN TUNER $ REP	2.	5.	1.9458
300	PLASTERERS	42.	29.	0.6808
301	PLASTERER APPRENTICES	0.	0.	5.4836
302	PLUMBER $ PIPE FITTER	236.	266.	1.1244
303	PLUMBER $ PIPE FIT APPR	4.	11.	2.7567
304	POWER STATION OPERATORS	28.	7.	0.2569
305	PRESSMEN $ PLATE PRINTER	46.	121.	2.6252
306	PRESSMAN APPRENTICES	1.	1.	0.8864
307	ROLLER $ FINISHER,METAL	47.	13.	0.2856
308	ROOFER AND SLATER	24.	45.	1.8353
309	SHEETMETAL WORKER $ TINSM	60.	45.	0.7604
310	SHEETMETAL APPRENTICES	1.	2.	1.4597
311	SHIPFITTERS	7.	0.	0.0022
312	SHOE REPAIRMEN	26.	69.	2.6581
313	SIGN PAINTERS $ LETTERER	16.	10.	0.6445
314	STATIONARY ENGINEERS	211.	77.	0.3655
315	STONE CUTTER $ CARVER	15.	5.	0.3277
316	STRUCTURAL METAL DRAFTMEN	43.	39.	0.8949
317	TAILORS	51.	66.	1.3052
318	TELEPHONE INST $ REPAIRMN	112.	160.	1.4269
319	TELEPHONE LINEMEN $SPLICR	30.	55.	1.8080
320	TILE SETTER	32.	9.	0.2865
321	TOOL AND DIE MAKERS	96.	101.	1.0546
322	TOOL AND DIE MAKER APPR	5.	5.	1.0182
323	UPHOLSTERERS	42.	34.	0.8159
324	SPECIFIED CRAFT APPR, NEC	8.	4.	0.5182
325	NOT SPEC APPRENTICES	4.	1.	0.3231
326	DRAFTMEN $ KIND WRKR NEC	53.	66.	1.2542
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	10915.	10190.	0.9335
329	ASBESTOS $ INSUL WORKERS	4.	0.	0.0430
330	ASSEMBLERS	544.	574.	1.0553

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALTOONA

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	9.	4.	0.4388
332	BOTTLING $ CANNING OPERT	60.	60.	0.9907
333	CHAINMEN RODMEN $ AXMEN	7.	3.	0.5253
334	CHECKER EXAMINER INS,MFG	571.	650.	1.1386
335	CLOTHING IRONER $ PRESSER	176.	212.	1.2087
336	CUTTING OPERATIVE NEC	575.	275.	0.4784
337	DRESSMAKER $SEAMSTRESS	91.	69.	0.7616
338	DRILLERS, EARTH	141.	31.	0.2236
339	DRY WALL INSTALLER $ LATH	39.	3.	0.0894
340	DYERS	8.	32.	4.0782
341	FILER POLISHER SANDER	138.	76.	0.5517
342	FURNACEMEN SMELTERMEN	91.	49.	0.5370
343	GARAGE WORKERS $ GAS STAT	292.	248.	0.8479
344	GRADER $SORTER, MFG	37.	40.	1.0806
345	PRODUCE GRADER $ PACKER	29.	7.	0.2392
346	HEATER, METAL	18.	4.	0.2457
347	LAUNDRY $ DRY CLNG OP NEC	88.	135.	1.5339
348	MEAT CUTTER $ BUTCHER	135.	184.	1.3619
349	MEAT CUTTER $ BUTCHER MFG	87.	50.	0.5751
350	MEAT WRAPPER RETAIL TRADE	28.	40.	1.4181
351	METAL PLATERS	32.	13.	0.4112
352	MILLINERS	0.	0.	0.0509
353	MINE OPERATIVES NEC	467.	9.	0.0196
354	MIXING OPERATIVES	63.	41.	0.6553
355	OILER AND GREASER, EX AUT	66.	37.	0.5665
356	PACKER $ WRAPPER EX MEAT	361.	628.	1.7405
357	PAINTER, MFG ARTICLES	115.	69.	0.6028
358	PHOTOG PROCESS WORKERS	18.	30.	1.6304
359	PRECISION MACHINE OPERATV	274.	357.	1.3014
360	DRILL PRESS OPERATIVES	63.	53.	0.8458
361	GRINDING MACHINE OPERTV	69.	117.	1.6815
362	LATHE $ LILLING MACH OP	94.	135.	1.4385
363	PRECISION MACH OP NEC	46.	49.	1.0767
364	PUNCH $ STAMPING PRESS OP	178.	89.	0.5015
365	RIVETER AND FASTNERS	27.	47.	1.7008
366	SAILORS AND DECKHANDLERS	0.	0.	1.1789
367	SAWYERS	100.	44.	0.4444
368	SEWERS AND STICHERS	1768.	1476.	0.8351
369	SHOEMAKING MACH OPRTV	146.	347.	2.3690
370	SOLDERERS	81.	27.	0.3407
371	STATIONARY FIREMEN	148.	94.	0.6368
372	TEXTILE OPERATIVES	566.	756.	1.3345
373	CARDING LAPPING OP	44.	13.	0.2993
374	KNITTING LOOPER TOPPER	52.	59.	1.1348
375	SPINNER TWISTER $ WINDE	163.	313.	1.9114
376	WEAVERS	89.	84.	0.9418
377	TEXTILE OP NEC	216.	286.	1.3217
378	WELDERS $ FLAMECUTTERS	514.	609.	1.1838
379	WINDING OP NEC	54.	88.	1.6385
380	MACHINE OP, MISC SPECIFD	809.	1234.	1.5240
381	MACHINE OP NOT SPECIFIED	674.	565.	0.8375
382	MISCELL OPERATIVES	873.	611.	0.7006
383	NOT SPECIFIED OPERATIVES	387.	250.	0.6461
384	TRANSPORT EQUIPMENT OPERT	2206.	3075.	1.3936
385	BOATMEN AND CANALMEN	3.	0.	0.2619

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALTOONA

		1960	1970	1960-70
386	BUS DRIVERS	107.	97.	0.9053
387	CONDUCTOR $ MOTORMEN	0.	3.	3.6552
388	DELIVERYMEN $ ROUTEMEN	289.	589.	2.0393
389	FORK LIFT $ TOW MOTOR OP	114.	191.	1.6746
390	MOTORMEN MINE FACTORY ETC	49.	2.	0.0471
391	PARKING ATTENDANTS	23.	12.	0.5333
392	RAILROAD BRAKEMEN	162.	542.	3.3291
393	RIALROAD SWITCHMEN	39.	186.	4.7300
394	TAXICAB DRIVERS $ CHAUFFR	36.	54.	1.4696
395	TRUCK DRIVERS	1380.	1395.	1.0106
396	LABORERS, EX FARM	3723.	3203.	0.8602
397	ANIMAL CARETAKER EX FARM	28.	11.	0.3888
398	CARPENTERS HELPERS	18.	32.	1.7144
399	CONSTRUCT LABOR EXC CARP	905.	597.	0.6601
400	FISHERMEN AND OYSTERMEN	2.	1.	0.4907
401	FREIGHT $ MATERIAL HANDLR	597.	537.	0.8989
402	GARBAGE COLLECTORS	39.	34.	0.8757
403	GARDNERS AND GROUNDKEEPER	130.	134.	1.0352
404	LONGSHOREMEN $ STEVEDORES	0.	14.	14.3636
405	LUMBERMEN RAFTMEN $ WDCHP	100.	13.	0.1346
406	STOCK HANDLERS	365.	460.	1.2586
407	TEAMSTERS	7.	3.	0.4963
408	VEHICLE WASHER $ EQUIP CL	148.	98.	0.6628
409	WAREHOUSEMEN NEC	56.	55.	0.9859
410	MISCELL LABORERS	350.	442.	1.2637
411	NOT SPECIFIED LABORERS	971.	765.	0.7877
412	FARMERS AND FARM MANAGERS	1188.	270.	0.2271
413	FARMERS OWNERS $ TENANTS	1150.	259.	0.2252
414	FARM MANAGERS	38.	10.	0.2853
415	FARM LABORER $ FOREMEN	937.	158.	0.1694
416	FARM FOREMEN	4.	2.	0.6268
417	FARM LABORER WAGE WORKER	718.	127.	0.1771
418	FARM LABORER UNPAID FAM W	213.	28.	0.1326
419	FARM SERVICE LABOR, SELF	1.	0.	0.4234
420	SERVICE WORKER EX PRI HHD	3724.	5668.	1.5220
421	CLEANING SERVICE WORKER	973.	1412.	1.4504
422	CHAMBERMAID EX PRV HHD	83.	103.	1.2294
423	CLEANERS $ CHARWOMEN	207.	378.	1.8231
424	JANITOR AND SEXTON	682.	930.	1.3642
425	FOOD SERVICE WORKERS	1249.	1848.	1.4800
426	BARTENDERS	195.	209.	1.0742
427	BUSBOYS	54.	31.	0.5819
428	COOKS EX PR HHD	5.	508.	86.3541
429	DISHWASHERS	79.	122.	1.5383
430	FOOD COUNTER $ FOUNTAIN	94.	76.	0.8117
431	WAITERS	657.	619.	0.9420
432	FOOD SERVICE WRKR NEC	162.	281.	1.7328
433	HEALTH SERVICE WORKERS	549.	992.	1.8066
434	DENTAL ASSISTANTS	22.	36.	1.5981
435	HEALTH AIDES EX NURSEIN	19.	78.	3.9366
436	HEALTH TRAINEES	46.	0.	0.0082
437	LAY MIDWIFE	0.	0.	1.7064
438	NURSING AIDE ORDERLY	334.	596.	1.7835
439	PRACTICAL NURSES	125.	280.	2.2287
440	PERSONAL SERVICE WORKERS	586.	934.	1.5936

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ALTOONA

		1960	1970	1960-70
441	AIRLINE STEWARDESS	7.	0.	0.0397
442	ATTENDANT, RECREAT $ AM	56.	35.	0.6240
443	ATTENDANT, PERS SRV NEC	50.	25.	0.5066
444	BAGGAGE PORTER $ BELLHO	6.	8.	1.2833
445	BARBERS	129.	201.	1.5566
446	BOADING $ LODGING HSEKP	3.	1.	0.4471
447	BOOTBLACKS	11.	3.	0.3026
448	CHILD CARE EX PR HHD	20.	88.	4.2828
449	ELEVATOR OPERATORS	13.	22.	1.6796
450	HAIRDRESSER $ COSMETOL	212.	449.	2.1191
451	PERSONAL SVC APPRENTICE	0.	0.	0.4406
452	HOUSEKEEPER EX PR HHD	62.	76.	1.2091
453	SCHOOL MONITORS	1.	11.	10.2531
454	USHER, RECREAT $ AMUS	8.	5.	0.5717
455	WELFARE SVC AIDES	0.	4.	10.4554
456	PROTECTIVE SERVICE WORKER	366.	480.	1.3138
457	CROSSING GUARD $ BRIDGE	16.	21.	1.3105
458	FIREMEN, FIREPROTECTION	31.	45.	1.4420
459	GUARD $ WATCHMEN	203.	227.	1.1182
460	MARSHAL $ CONSTABLE	1.	1.	0.6952
461	POLICEMEN $ DETECTIVES	105.	176.	1.6778
462	SHERIFFS $ BALIFFS	7.	8.	1.1246
463	PRIVATE HOUSE WORKERS	907.	642.	0.7081
464	CHILD CARE WORKER PRV HHD	186.	116.	0.6267
465	COOKS PRV HHD	20.	19.	0.9498
466	HOUSEKEEPER PRV HHD	77.	72.	0.9329
467	LAUNDRESS PRV HHD	20.	8.	0.4211
468	MAID $ SERVANT PRV HHD	602.	425.	0.7060
469	OCCUPATION NOT REPORTED	1753.	2988.	1.7040

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ERIE

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL CCC	90409.	111380.	1.2319
2	PROF TECH AND KINDRED	9533.	13717.	1.4389
3	ACCOUNTANTS	607.	695.	1.1444
4	ARCHITECTS	27.	32.	1.1666
5	COMPUTER SPECIALISTS	12.	295.	23.7412
6	COMPUTER PROGRAMMERS	8.	200.	23.5682
7	COMP SYSTEMS ANALYSTS	3.	95.	27.0538
8	COMPUTER SPEC. NEC	0.	0.	0.0000
9	ENGINEERS	1208.	1659.	1.3733
10	AERONAUT AND ASTRON ENG	17.	36.	2.0638
11	CHEMICAL ENGINEERS	13.	21.	1.5942
12	CIVIL ENGINEERS	99.	107.	1.0823
13	ELECTR AND ELECTRO ENG	254.	440.	1.7313
14	INDUSTRIAL ENGINEERS	233.	329.	1.4138
15	MECHANICAL ENGINEERS	290.	146.	0.5024
16	METALLUR AND MATER ENG	22.	31.	1.3803
17	MINING ENGINEERS	0.	0.	0.0000
18	PETORLEUM ENGINEERS	1.	0.	0.0000
19	SALES ENGINEERS	168.	120.	0.7126
20	ENGINEERS, NEC	106.	425.	3.9926
21	FARM MANAGEMENT ADVISORS	11.	0.	0.0000
22	FORESTOR $ CONSRVATIONIST	8.	11.	1.3521
23	HOME MANAGEMENT ADVISORS	4.	7.	1.8853
24	LAWYERS AND JUDGES	153.	156.	1.0209
25	JUDGES	6.	5.	0.9163
26	LAWYERS	147.	150.	1.0252
27	LIBRARIANS ARCHIV CURATOR	51.	88.	1.7078
28	LIBRARIANS	50.	82.	1.6306
29	ARCHIVISTS AND CURATORS	1.	5.	5.5256
30	MATHEMATICAL SPECIALISTS	12.	4.	0.3708
31	ACTUARIES	0.	0.	0.0000
32	MATHEMATICIANS	0.	0.	0.0000
33	STATISTICIANS	11.	4.	0.3959
34	LIFE $ PHYSICAL SCIENT.	152.	133.	0.8741
35	AGRICULTURAL SCIENTISTS	4.	0.	0.0000
36	ATMOSPHERIC $ SPACE SCI	4.	0.	0.0000
37	BIOLOGICAL SCIENTISTS	4.	13.	3.2256
38	CHEMISTS	126.	113.	0.8923
39	GEOLOGISTS	0.	0.	0.0000
40	MARINE SCIENTISTS	0.	0.	0.0000
41	PHYSICISTS AND ASTRONOM	12.	6.	0.5483
42	LIFE AND PHYS SCIEN NEC	1.	0.	0.0000
43	OPERATIONS $ SYST RESEAR	26.	217.	8.2429
44	PERSONNEL $ LABOR REL WOK	113.	463.	4.0765
45	PHYSICIANS,DENTISTS $ REL	689.	705.	1.0223
46	CHIROPRACTORS	30.	5.	0.1840
47	DENTISTS	142.	167.	1.1704
48	OPTOMETRISTS	21.	24.	1.1762
49	PHARMACISTS	143.	132.	0.9245
50	PHYSICIANSR MED $ OSTEO	329.	342.	1.0401
51	PODIATRISTS	10.	5.	0.5566
52	VETERINARIANS	12.	21.	1.7054
53	HEALTH PRACTITIONERS NE	0.	5.	5.6515
54	NURSES, DIETITIANS $ THER	1101.	1568.	1.4239
55	DIETITIANS	34.	109.	3.1471

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ERIE

		1960	1970	1960-70
56	REGISTERED NURSES	1034.	1335.	1.2916
57	THERAPISTS	32.	123.	3.7902
58	HEALTH TECHNOLOG $ TECHIC	115.	288.	2.4918
59	CLIN LAB TECHNO $ TECHN	50.	118.	2.3378
60	DENTAL HYGIENISTS	5.	9.	1.7327
61	HEALTH RECORD TECH	6.	15.	2.5918
62	RADIOLOGIC TECH	34.	79.	2.2909
63	THERAPY ASSISTANTS	0.	0.	0.0000
64	HEALTH TECH, NEC	18.	65.	3.5458
65	RELIGIOUS WORKERS	507.	373.	0.7373
66	CLERGYMEN	314.	338.	1.0783
67	RELIGIOUS WORKERS, NEC	192.	35.	0.1820
68	SOCIAL SCIENTISTS	48.	109.	2.2822
69	ECONOMISTS	39.	83.	2.1073
70	POLITICAL SCIENTISTS	0.	0.	0.0000
71	PSYCHOLOGISTS	7.	16.	2.3137
72	SOCIOLOGISTS	0.	0.	0.0000
73	URBAN AND REG PLANNERS	1.	9.	8.8379
74	SOCIAL SCIENTISTS, NEC	0.	0.	0.0000
75	SOCIAL AND RECR WORKERS	121.	305.	2.5212
76	SOCIAL WORKERS	109.	250.	2.2818
77	RECREATION WORKERS	11.	55.	4.7904
78	TEACHERS, COLLEGE $ UNIV	201.	652.	3.2358
79	AGRICULTURE TEACHERS	4.	0.	0.0000
80	ATMOS, EARTH, MAR $ SPA	0.	0.	0.0000
81	BIOLOGY TEACHERS	8.	17.	2.0010
82	CHEMISTRY TEACHERS	8.	10.	1.1564
83	PHYSICS TEACHERS	9.	7.	0.8417
84	ENGINEERING TEACHERS	10.	14.	1.4310
85	MATHEMATICS TEACHERS	11.	48.	4.3662
86	HEALTH SPECIALT TEACHER	5.	40.	7.7251
87	PSYCHOLOGY TEACHERS	1.	13.	11.2832
88	BUS. $ COMMERCE TEACHER	6.	15.	2.3356
89	ECONOMICS TEACHERS	3.	5.	1.4862
90	HISTORY TEACHERS	9.	41.	4.4627
91	SOCIOLOGY TEACHERS	0.	7.	12.1918
92	SOCIAL SC TEACHERS NEC	4.	10.	2.3115
93	ART, DRAMA $ MUSIC TEAC	16.	41.	2.4800
94	COACHES $ PHYSICAL ED	6.	25.	3.6244
95	EDUCATION TEACHERS	6.	10.	1.4944
96	ENGLISH TEACHERS	21.	24.	1.1527
97	FOREIGN LANG TEACHERS	7.	36.	4.6010
98	HOME ECONOMICS TEACHERS	0.	2.	2.6764
99	LAW TEACHERS	0.	3.	5.7930
100	THEOLOGY TEACHERS	2.	13.	5.8483
101	TRADE, IND $ TECH TEACH	0.	3.	6.4916
102	MISCELL. TEACHERS, COLL	5.	25.	4.2780
103	TEACHERS, CC $ UNIV NEC	48.	233.	4.8260
104	TEACHERS, EX CC $ UNIV	2529.	3483.	1.3769
105	ADULT EDUCATION TEACHER	38.	41.	1.0782
106	ELEMENTARY SCH TEACHERS	1348.	1906.	1.4137
107	PREKIND $ KINDERG TEACH	88.	94.	1.0655
108	SECONDARY SCH TEACHERS	914.	1290.	1.4111
109	TEACHERS, NEC	139.	150.	1.0776
110	ENGN $ SC TECHNICIANS	1153.	1349.	1.1705

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ERIE

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	44.	27.	0.6123
112	CHEMICAL TECHNICIANS	104.	31.	0.3046
113	DRAFTMEN	622.	753.	1.2093
114	ELEC $ ELECTRON ENG TEC	112.	159.	1.4178
115	IND ENG TECHNICIANS	28.	28.	0.9786
116	MECHNICAL ENG TECH	23.	12.	0.5269
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	15.	47.	3.1116
119	ENG $ SC TECH, NEC	201.	289.	1.4380
120	TECHN, EX HEAL ENG $ SC	65.	118.	1.8255
121	AIRPLANE PILOTS	13.	24.	1.8447
122	AIR TRAFFIC CONTROLLERS	14.	12.	0.8392
123	EMBALMERS	7.	9.	1.1319
124	FLIGHT ENGINEERS	0.	0.	0.0000
125	RADIO OPERATORS	20.	35.	1.7206
126	TOOL PROGRAMMER, NUM CO	4.	0.	0.0000
127	TECHNICIANS NEC	4.	37.	9.0417
128	VOCATION AND ED COUNSELOR	30.	109.	3.6116
129	WRITER, ARTIST $ ENTERTNR	496.	820.	1.6505
130	ACTORS	7.	0.	0.0000
131	ATHLETES $ KINDRED WORKER	18.	55.	3.0785
132	AUTHORS	10.	14.	1.4222
133	DANCERS	2.	0.	0.0000
134	DESIGNERS	101.	135.	1.3373
135	EDITORS AND REPORTERS	74.	132.	1.7714
136	MUSICIANS $ COMPOSERS	91.	80.	0.8793
137	PAINTERS AND SCULPTORS	91.	128.	1.3922
138	PHOTOGRAPHERS	65.	73.	1.1201
139	PUB REL MEN $ PUB WRITR	7.	84.	11.7168
140	RADIO $ TV ANNOUNCERS	17.	62.	3.5135
141	WRITER ARTIST $ ENT NEC	7.	52.	6.8535
142	RESEARCH WORKERS NOT SPEC	81.	64.	0.7913
143	MANAGER $ ADM, EXC FARM	7379.	7687.	1.0417
144	ASSESSOR CONTR $ TREAS	29.	53.	1.7801
145	BANK OFFICER $ FIN MANG	30.	402.	13.0595
146	BUYER $ SHIPPER, FARM	24.	29.	1.1804
147	BUYER, WHOL $ RET TRADE	137.	238.	1.7364
148	CREDIT MEN	63.	68.	1.0754
149	FUNERAL DIRECTORS	45.	55.	1.2264
150	HEALTH ADMINISTRATORS	10.	96.	9.0308
151	CONSTRUCTION INSPECTORS	11.	18.	1.6088
152	INSPECTOR, EXC CONSTRUC	35.	62.	1.7452
153	MANAGER $ SUPERINT, BLD	10.	33.	3.2211
154	OFFICE MANAGERS NEC	30.	29.	0.9760
155	OFFICER PILOT PURS SHIP	51.	3.	0.0664
156	OFFIC $ ADM, PUB AD NEC	224.	177.	0.7931
157	OFF OF LODGE SO $ UNION	53.	44.	0.8254
158	POSTMASTER $ MAIL SUPER	30.	26.	0.8606
159	PURCH AGT $ BUYER NEC	159.	240.	1.5012
160	RAILROAD CONDUCTORS	121.	103.	0.8482
161	RESTAUR CAFET $ BAR MAN	377.	464.	1.2322
162	SALES MANAGERS, RET TRD	143.	320.	2.2277
163	SALES MANAGERS, EXC RET	74.	340.	4.5580
164	SCHOOL ADM, COLLEGE	11.	81.	7.0716
165	SCHOOL ADM, EL $ SECOND	158.	186.	1.1804

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ERIE

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	5543.	4611.	0.8318
167	SALES WORKERS	7094.	7446.	1.0495
168	ADVERTISING AGT $ SALES	17.	94.	5.5156
169	AUCTIONEERS	4.	0.	0.0000
170	DEMONSTRATORS	38.	55.	1.4615
171	HUCKSTERS $ PEDDLERS	73.	179.	2.4463
172	INS AGT BRKR UNDERWRTRS	572.	665.	1.1619
173	NEWSBOYS	368.	87.	0.2371
174	REAL EST AGT $ BROKERS	183.	232.	1.2658
175	STOCK $ BOND SALESMEN	10.	113.	10.3978
176	SALES REPRSTTV, MFG IND	683.	735.	1.0756
177	SALES REPRSTTIV, WHO TR	721.	736.	1.0199
178	SALES CLERKS, RET TRADE	3436.	3437.	1.0004
179	SALESMEN, RETAIL TRADE	680.	829.	1.2189
180	SALESMEN OF SVC $ CONST	304.	279.	0.9194
181	CLERICAL $ KIND WORKERS	12155.	17598.	1.4478
182	BANK TELLERS	166.	441.	2.6518
183	BILLING CLERKS	60.	263.	4.3845
184	BOOKKEEPERS	968.	1755.	1.8131
185	CASHIERS	744.	1402.	1.8831
186	CLERICAL ASST, SOC WELF	0.	0.	0.0000
187	CLERICAL SUPERV, NEC	71.	105.	1.4733
188	COLLECTOR, BILL $ ACCT	40.	52.	1.2815
189	COUNTER CLERK, EX FOOD	164.	307.	1.8663
190	DISPATCHER $ STARTERS	110.	45.	0.4101
191	ENUMERATOR $ INTERVIEWR	158.	147.	0.9319
192	ESTIMATOR $ INV NEC	191.	317.	1.6606
193	EXPEDITER $ PROD CONTRL	191.	649.	3.3922
194	FILE CLERKS	168.	216.	1.2872
195	INSUR ADJUSTER, EXAM	109.	119.	1.0922
196	LIBRARY ATTENDANT	51.	171.	3.3141
197	MAIL CARRIER, POST OFF	269.	284.	1.0573
198	MAIL HANDLER, EX POST	81.	135.	1.6646
199	MESSENGER $ OFF BOY	45.	61.	1.3404
200	METER READER, UTILITIES	46.	86.	1.8461
201	OFFICE MACHINE OPERATORS	345.	679.	1.9700
202	BOOKKPNG $ BILL MACH OP	58.	78.	1.3329
203	CALCULATING MACH OP	42.	12.	0.2967
204	COMPUTER $ PERIPH EQUIP	2.	172.	81.4925
205	DUPLICATING MACH OP	14.	37.	2.5508
206	KEYPUNCH OPERATORS	177.	284.	1.5986
207	TABULATING MACH OP	27.	11.	0.4180
208	OFFICE MACH OP, NEC	22.	83.	3.7025
209	PAYROLL $ TIMEKPNG CLERKS	345.	437.	1.2658
210	POSTAL CLERKS	244.	366.	1.4984
211	PROOFREADERS	22.	5.	0.2528
212	REAL ESTATE APPRAISERS	12.	5.	0.4648
213	RECEPTIONISTS	251.	417.	1.6578
214	SECRETARIES	1878.	3715.	1.9778
215	SECRETARIES, LEGAL	44.	92.	2.1090
216	SECRETARIES, MEDICAL	44.	129.	2.9430
217	SECRETARIES, NEC	1790.	3493.	1.9508
218	SHIPPING $ RECEIV CLERKS	526.	753.	1.4302
219	STATISTICAL CLERKS	188.	264.	1.4015
220	STENOGRAPHERS	436.	141.	0.3241

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ERIE

		1960	1970	1960-70
221	STOCK CLERKS & STOREKEEPE	704.	872.	1.2375
222	TEACHER AIDES, EX SCHL MD	16.	97.	5.9441
223	TELEGRAPH MESSENGERS	10.	1.	0.1836
224	TELEGRAPH OPERATORS	21.	13.	0.6260
225	TELEPHONE OPERATORS	430.	636.	1.4784
226	TICKET, STATION & EXP AGT	78.	41.	0.5340
227	TYPISTS	416.	954.	2.2902
228	WEIGHERS	55.	36.	0.6530
229	MISCELLANEOUS CLERICAL	421.	600.	1.4253
230	NOT SPECIFIED CLERIC WORK	2107.	995.	0.4724
231	CRAFTMEN AND KINDRED WRK	14698.	17279.	1.1756
232	AUTO ACCESS INSTALLERS	8.	19.	2.3531
233	BAKERS	186.	161.	0.8654
234	BLACKSMITHS	22.	18.	0.7890
235	BOILERMAKERS	68.	53.	0.7782
236	BOOKBINDERS	19.	27.	1.4070
237	BRICKMASON & STONEMASON	216.	194.	0.8955
238	BRICK & STONEMASON APPAR	0.	4.	4.9792
239	BULLDOZER OPERATORS	82.	50.	0.6152
240	CABINETMAKERS	76.	98.	1.2894
241	CARPENTERS	838.	984.	1.1745
242	CARPENTER APPRENTICES	0.	15.	15.0225
243	CARPET INSTALLERS	24.	35.	1.4259
244	CEMENT & CONCRETE FINSHER	18.	61.	3.2893
245	COMPOSITOR & TYPESETTER	243.	187.	0.7695
246	PRINT APPRENT, EXC PRESS	32.	7.	0.2421
247	CRANEMEN DERRICKMEN HOIST	433.	417.	0.9631
248	DECORATOR & WINDOW DRESSE	33.	90.	2.7356
249	DENTAL LAB TECHNICIANS	12.	67.	5.4316
250	ELECTRICIANS	504.	715.	1.4198
251	ELECTRICIAN APPRENTICES	7.	30.	4.2302
252	ELEC POWER LINE & CABLEMN	96.	141.	1.4716
253	ELECTRO & STEREOTYPERS	24.	0.	0.0000
254	ENGRAVERS, EXC PHOTOGRAVR	7.	4.	0.6269
255	EXCAVATING GRADING OPERTR	141.	327.	2.3189
256	FLOOR LAYER EXC TILE SETR	29.	20.	0.6818
257	FOREMEN NEC	2371.	3046.	1.2847
258	FOREMEN AND HAMMERMEN	59.	44.	0.7454
259	FURNITURE & WOOD FINISHER	48.	87.	1.8043
260	FURRIERS	4.	0.	0.0000
261	GLAZIERS	14.	6.	0.4627
262	HEAT TREATER ANNEALER	91.	87.	0.9528
263	INSPECTOR, LOG & LUMBER	9.	0.	0.0000
264	INSPECTORS, NEC	225.	176.	0.7838
265	JEWELERS AND WATCHMAKERS	22.	12.	0.5560
266	JOB & DIE SETTER, METAL	194.	312.	1.6102
267	LOCOMOTIVE ENGINEERS	120.	108.	0.9002
268	LOCOMOTIVE FIREMEN	86.	49.	0.5792
269	MACHINISTS	1272.	1288.	1.0125
270	MACHINIST APPRENTICES	40.	55.	1.3521
271	MECHANICS AND REPAIRMEN	3156.	3729.	1.1814
272	AIRCON HEAT & REFRGRTR	133.	95.	0.7138
273	AIRCRAFT	4.	22.	5.5817
274	AUTO BODY REPAIRMEN	93.	226.	2.4316
275	AUTO MECHANICS	724.	1172.	1.6188

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ERIE

		1960	1970	1960-70
276	AUTO MECHANIC APPR	0.	4.	4.7025
277	DATA PROCESS MACH REPR	0.	27.	27.1888
278	FARM IMPLEMENT	71.	32.	0.4581
279	HEAVY EQUIP MECHANICS	476.	1323.	2.7804
280	HOUSEHOLD APPL $ ACC	154.	217.	1.4047
281	LOOM FIXERS	0.	6.	6.7958
282	OFFICE MACHINE	35.	50.	1.4389
283	RADIO AND TV	98.	112.	1.1359
284	RAILROAD AND CAR SHOP	150.	64.	0.4282
285	MECHANIC EX AUTO APPR	3.	10.	3.4748
286	MISCELL MECHAN $ REPAIR	300.	258.	0.8603
287	NOT SPEC MECH $ REPAIR	910.	101.	0.1119
288	MILLER GRAIN FLOUR $ FEED	8.	6.	0.8210
289	MILLWRITHTS	136.	144.	1.0628
290	MOLDERS, METAL	412.	379.	0.9187
291	MOLDER APPRENTICES	0.	5.	12.3221
292	MOTION PIC PROJECTIONISTS	3.	17.	5.4240
293	OPTICIAN $ LENS GRINDER	12.	69.	5.5648
294	PRINTER, CONST $ MAINTENC	306.	416.	1.3592
295	PAINTER APPRENTICES	3.	1.	0.4859
296	PAPERHANGERS	20.	0.	0.0000
297	PATTERN $ MODEL MAKER	160.	144.	0.9026
298	PHOTOENGRAVER $ LITHOGRPH	23.	23.	0.9987
299	PIANO $ ORGAN TUNER $ REP	4.	11.	2.7345
300	PLASTERERS	77.	58.	0.7495
301	PLASTERER APPRENTICES	1.	0.	0.4781
302	PLUMBER $ PIPE FITTER	371.	548.	1.4757
303	PLUMBER $ PIPE FIT APPR	16.	23.	1.4183
304	POWER STATION OPERATORS	41.	26.	0.6294
305	PRESSMEN $ PLATE PRINTER	136.	124.	0.9156
306	PRESSMAN APPRENTICES	6.	2.	0.3364
307	ROLLER $ FINISHER,METAL	22.	41.	1.8593
308	ROOFER AND SLATER	65.	126.	1.9261
309	SHEETMETAL WORKER $ TINSM	141.	207.	1.4679
310	SHEETMETAL APPRENTICES	3.	8.	2.3022
311	SHIPFITTERS	17.	11.	0.6558
312	SHOE REPAIRMEN	48.	37.	0.7748
313	SIGN PAINTERS $ LETTERER	23.	15.	0.6641
314	STATIONARY ENGINEERS	456.	218.	0.4792
315	STONE CUTTER $ CARVER	1.	5.	4.2134
316	STRUCTURAL METAL DRAFTMEN	107.	200.	1.8668
317	TAILORS	104.	37.	0.3582
318	TELEPHONE INST $ REPAIRMN	188.	349.	1.8478
319	TELEPHONE LINEMEN $SPLICR	51.	94.	1.8139
320	TILE SETTER	56.	66.	1.1791
321	TOOL AND DIE MAKERS	606.	882.	1.4554
322	TOOL AND DIE MAKER APPR	23.	49.	2.1220
323	UPHOLSTERERS	43.	48.	1.1143
324	SPECIFIED CRAFT APPR, NEC	28.	13.	0.4774
325	NOT SPEC APPRENTICES	17.	3.	0.2025
326	DRAFTMEN $ KIND WRKR NEC	100.	116.	1.1603
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	15645.	19760.	1.2630
329	ASBESTOS $ INSUL WORKERS	4.	56.	13.6982
330	ASSEMBLERS	2331.	2864.	1.2284

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ERIE

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	0.	0.	0.0000
332	BOTTLING & CANNING OPERT	78.	49.	0.6326
333	CHAINMEN RODMEN & AXMEN	16.	6.	0.4102
334	CHECKER EXAMINER INS,MFG	1049.	1784.	1.7014
335	CLOTHING IRONER & PRESSER	307.	166.	0.5429
336	CUTTING OPERATIVE NEC	1058.	370.	0.3499
337	DRESSMAKER &SEAMSTRESS	144.	120.	0.8337
338	DRILLERS, EARTH	41.	40.	0.9863
339	DRY WALL INSTALLER & LATH	78.	16.	0.2173
340	DYERS	4.	11.	2.7420
341	FILER POLISHER SANDER	335.	356.	1.0646
342	FURNACEMEN SMELTERMEN	151.	285.	1.8868
343	GARAGE WORKERS & GAS STAT	412.	527.	1.2786
344	GRADER &SORTER, MFG	32.	113.	3.4457
345	PRODUCE GRADER & PACKER	27.	6.	0.2457
346	HEATER, METAL	52.	40.	0.7745
347	LAUNDRY & DRY CLNG OP NEC	200.	174.	0.8694
348	MEAT CUTTER & BUTCHER	233.	290.	1.2446
349	MEAT CUTTER & BUTCHER MFG	147.	64.	0.4380
350	MEAT WRAPPER RETAIL TRADE	30.	96.	3.1469
351	METAL PLATERS	62.	92.	1.4879
352	MILLINERS	4.	0.	0.0000
353	MINE OPERATIVES NEC	17.	15.	0.9126
354	MIXING OPERATIVES	123.	80.	0.6513
355	OILER AND GREASER, EX AUT	72.	126.	1.7550
356	PACKER & WRAPPER EX MEAT	441.	554.	1.2538
357	PAINTER, MFG ARTICLES	282.	447.	1.5622
358	PHOTOG PROCESS WORKERS	42.	84.	2.0220
359	PRECISION MACHINE OPERATV	594.	2238.	3.7676
360	DRILL PRESS OPERATIVES	108.	604.	5.5593
361	GRINDING MACHINE OPERTV	213.	561.	2.6282
362	LATHE & LILLING MACH OP	183.	804.	4.3804
363	PRECISION MACH OP NEC	88.	268.	3.0431
364	PUNCH & STAMPING PRESS OP	277.	588.	2.1254
365	RIVETER AND FASTNERS	41.	15.	0.3794
366	SAILORS AND DECKHANDLERS	32.	37.	1.1666
367	SAWYERS	184.	203.	1.1036
368	SEWERS AND STICHERS	328.	75.	0.2312
369	SHOEMAKING MACH OPRTV	173.	0.	0.0000
370	SOLDERERS	87.	116.	1.3258
371	STATIONARY FIREMEN	239.	96.	0.4013
372	TEXTILE OPERATIVES	530.	5.	0.0106
373	CARDING LAPPING OP	70.	0.	0.0000
374	KNITTING LOOPER TOPPER	0.	0.	0.0000
375	SPINNER TWISTER & WINDE	179.	5.	0.0315
376	WEAVERS	4.	0.	0.0000
377	TEXTILE OP NEC	275.	0.	0.0000
378	WELDERS & FLAMECUTTERS	924.	1621.	1.7545
379	WINDING OP NEC	70.	271.	3.8342
380	MACHINE OP, MISC SPECIFD	1323.	2718.	2.0535
381	MACHINE OP NOT SPECIFIED	1082.	1410.	1.3029
382	MISCELL OPERATIVES	1312.	1040.	0.7924
383	NOT SPECIFIED OPERATIVES	658.	471.	0.7155
384	TRANSPORT EQUIPMENT OPERT	3245.	3437.	1.0594
385	BOATMEN AND CANALMEN	0.	0.	0.0000

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ERIE

		1960	1970	1960-70
386	BUS DRIVERS	145.	168.	1.1575
387	CONDUCTOR $ MOTORMEN	0.	5.	5.6669
388	DELIVERYMEN $ ROUTEMEN	753.	870.	1.1552
389	FORK LIFT $ TOW MOTOR OP	230.	459.	1.9944
390	MOTORMEN MINE FACTORY ETC	12.	0.	0.0000
391	PARKING ATTENDANTS	32.	34.	1.0517
392	RAILROAD BRAKEMEN	232.	87.	0.3748
393	RIALROAD SWITCHMEN	79.	54.	0.6794
394	TAXICAB DRIVERS $ CHAUFFR	156.	97.	0.6215
395	TRUCK DRIVERS	1601.	1659.	1.0367
396	LABORERS, EX FARM	4563.	4286.	0.9394
397	ANIMAL CARETAKER EX FARM	41.	52.	1.2870
398	CARPENTERS HELPERS	10.	19.	1.9031
399	CONSTRUCT LABOR EXC CARP	1083.	648.	0.5981
400	FISHERMEN AND OYSTERMEN	40.	5.	0.1372
401	FREIGHT $ MATERIAL HANDLR	616.	529.	0.8582
402	GARBAGE COLLECTORS	47.	70.	1.4790
403	GARDNERS AND GROUNDKEEPER	283.	268.	0.9470
404	LONGSHOREMEN $ STEVEDORES	4.	11.	2.7317
405	LUMBERMEN RAFTMEN $ WDCHP	44.	60.	1.3370
406	STOCK HANDLERS	558.	775.	1.3878
407	TEAMSTERS	7.	0.	0.0000
408	VEHICLE WASHER $ EQUIP CL	190.	200.	1.0502
409	WAREHOUSEMEN NEC	45.	50.	1.1242
410	MISCELL LABORERS	433.	526.	1.2147
411	NOT SPECIFIED LABORERS	1155.	1068.	0.9248
412	FARMERS AND FARM MANAGERS	1511.	983.	0.6511
413	FARMERS OWNERS $ TENANTS	1460.	934.	0.6393
414	FARM MANAGERS	50.	49.	0.9914
415	FARM LABORER $ FOREMEN	1127.	776.	0.6891
416	FARM FOREMEN	0.	4.	4.1604
417	FARM LABORER WAGE WORKER	926.	734.	0.7922
418	FARM LABORER UNPAID FAM W	192.	38.	0.2002
419	FARM SERVICE LABOR, SELF	8.	0.	0.0000
420	SERVICE WORKER EX PRI HHD	7091.	10537.	1.4860
421	CLEANING SERVICE WORKER	1844.	2852.	1.5465
422	CHAMBERMAID EX PRV HHD	127.	227.	1.7928
423	CLEANERS $ CHARWOMEN	594.	612.	1.0302
424	JANITOR AND SEXTON	1122.	2011.	1.7922
425	FOOD SERVICE WORKERS	2418.	3864.	1.5978
426	BARTENDERS	392.	300.	0.7665
427	BUSBOYS	91.	122.	1.3433
428	COOKS EX PR HHD	10.	1054.	105.3745
429	DISHWASHERS	157.	238.	1.5162
430	FOOD COUNTER $ FOUNTAIN	201.	203.	1.0106
431	WAITERS	1205.	1333.	1.1060
432	FOOD SERVICE WRKR NEC	360.	610.	1.6931
433	HEALTH SERVICE WORKERS	935.	1342.	1.4353
434	DENTAL ASSISTANTS	70.	103.	1.4661
435	HEALTH AIDES EX NURSEIN	44.	139.	3.1529
436	HEALTH TRAINEES	247.	5.	0.0228
437	LAY MIDWIFE	0.	0.	0.0000
438	NURSING AIDE ORDERLY	387.	750.	1.9357
439	PRACTICAL NURSES	185.	343.	1.8556
440	PERSONAL SERVICE WORKERS	1089.	1414.	1.2982

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN ERIE

		1960	1970	1960-70
441	AIRLINE STEWARDESS	10.	3.	0.3088
442	ATTENDANT, RECREAT $ AM	99.	95.	0.9609
443	ATTENDANT, PERS SRV NEC	70.	26.	0.3675
444	BAGGAGE PORTER $ BELLHO	14.	0.	0.0000
445	BARBERS	285.	281.	0.9885
446	BOADING $ LODGING HSEKP	0.	6.	6.8046
447	BOOTBLACKS	13.	0.	0.0000
448	CHILD CARE EX PR HHD	30.	124.	4.1289
449	ELEVATOR OPERATORS	49.	16.	0.3462
450	HAIRDRESSER $ COSMETOL	377.	644.	1.7057
451	PERSONAL SVC APPRENTICE	3.	0.	0.1889
452	HOUSEKEEPER EX PR HHD	90.	160.	1.7742
453	SCHOOL MONITORS	1.	10.	7.4052
454	USHER, RECREAT $ AMUS	41.	20.	0.4893
455	WELFARE SVC AIDES	0.	22.	30.4650
456	PROTECTIVE SERVICE WORKER	803.	1063.	1.3241
457	CROSSING GUARD $ BRIDGE	40.	78.	1.9485
458	FIREMEN, FIREPROTECTION	215.	192.	0.8939
459	GUARD $ WATCHMEN	284.	345.	1.2149
460	MARSHAL $ CONSTABLE	0.	0.	0.0000
461	POLICEMEN $ DETECTIVES	259.	434.	1.6737
462	SHERIFFS $ BALIFFS	4.	13.	3.2323
463	PRIVATE HOUSE WORKERS	1397.	794.	0.5682
464	CHILD CARE WORKER PRV HHD	285.	229.	0.8020
465	COOKS PRV HHD	32.	17.	0.5352
466	HOUSEKEEPER PRV HHD	120.	65.	0.5447
467	LAUNDRESS PRV HHD	31.	23.	0.7280
468	MAID $ SERVANT PRV HHD	927.	459.	0.4951
469	OCCUPATION NOT REPORTED	4967.	7072.	1.4237

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN HARRISBURG

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL OCC	166686.	193508.	1.1609
2	PROF TECH AND KINDRED	17087.	26280.	1.5380
3	ACCOUNTANTS	1519.	1807.	1.1894
4	ARCHITECTS	104.	238.	2.2816
5	COMPUTER SPECIALISTS	35.	1237.	34.6101
6	COMPUTER PROGRAMMERS	23.	682.	28.6468
7	COMP SYSTEMS ANALYSTS	9.	532.	55.9207
8	COMPUTER SPEC. NEC	2.	23.	9.7215
9	ENGINEERS	2420.	2652.	1.0957
10	AERONAUT AND ASTRON ENG	15.	18.	1.1358
11	CHEMICAL ENGINEERS	31.	6.	0.2148
12	CIVIL ENGINEERS	853.	839.	0.9841
13	ELECTR AND ELECTRO ENG	494.	594.	1.2000
14	INDUSTRIAL ENGINEERS	451.	478.	1.0592
15	MECHANICAL ENGINEERS	226.	276.	1.2236
16	METALLUR AND MATER ENG	31.	24.	0.7815
17	MINING ENGINEERS	5.	6.	1.2103
18	PETORLEUM ENGINEERS	8.	0.	0.0000
19	SALES ENGINEERS	86.	105.	1.2090
20	ENGINEERS, NEC	213.	301.	1.4091
21	FARM MANAGEMENT ADVISORS	12.	19.	1.5596
22	FORESTOR $ CONSRVATIONIST	38.	75.	1.9664
23	HOME MANAGEMENT ADVISORS	14.	15.	1.0716
24	LAWYERS AND JUDGES	478.	585.	1.2241
25	JUDGES	20.	29.	1.4297
26	LAWYERS	457.	555.	1.2149
27	LIBRARIANS ARCHIV CURATOR	134.	475.	3.5378
28	LIBRARIANS	126.	403.	3.1882
29	ARCHIVISTS AND CURATORS	7.	72.	9.1089
30	MATHEMATICAL SPECIALISTS	100.	199.	1.9868
31	ACTUARIES	17.	6.	0.3816
32	MATHEMATICIANS	0.	18.	18.0717
33	STATISTICIANS	82.	175.	2.1128
34	LIFE $ PHYSICAL SCIENT.	333.	309.	0.9266
35	AGRICULTURAL SCIENTISTS	4.	14.	2.9691
36	ATMOSPHERIC $ SPACE SCI	2.	10.	3.6550
37	BIOLOGICAL SCIENTISTS	4.	50.	10.3053
38	CHEMISTS	256.	171.	0.6698
39	GEOLOGISTS	44.	41.	0.9455
40	MARINE SCIENTISTS	0.	5.	5.6460
41	PHYSICISTS AND ASTRONOM	6.	14.	2.3943
42	LIFE AND PHYS SCIEN NEC	14.	0.	0.0000
43	OPERATIONS $ SYST RESEAR	67.	422.	6.2698
44	PERSONNEL $ LABOR REL WOK	431.	944.	2.1662
45	PHYSICIANS,DENTISTS $ REL	1089.	1128.	1.0357
46	CHIROPRACTORS	40.	25.	0.6355
47	DENTISTS	200.	185.	0.9232
48	OPTOMETRISTS	50.	45.	0.8902
49	PHARMACISTS	172.	113.	0.6545
50	PHYSICIANS$ MED $ OSTEO	560.	724.	1.2938
51	PODIATRISTS	28.	5.	0.1966
52	VETERINARIANS	36.	29.	0.8051
53	HEALTH PRACTITIONERS NE	0.	0.	0.0000
54	NURSES, DIETITIANS $ THER	1860.	2692.	1.4471
55	DIETITIANS	56.	84.	1.4884

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN HARRISBURG

		1960	1970	1960-70
56	REGISTERED NURSES	1726.	2394.	1.3863
57	THERAPISTS	76.	213.	2.7898
58	HEALTH TECHNOLOG $ TECHIC	260.	532.	2.0486
59	CLIN LAB TECHNO $ TECHN	106.	254.	2.3886
60	DENTAL HYGIENISTS	7.	36.	4.6609
61	HEALTH RECORD TECH	15.	22.	1.4961
62	RADIOLOGIC TECH	79.	65.	0.8220
63	THERAPY ASSISTANTS	2.	5.	2.6547
64	HEALTH TECH, NEC	49.	149.	3.0320
65	RELIGIOUS WORKERS	646.	719.	1.1138
66	CLERGYMEN	571.	629.	1.1018
67	RELIGIOUS WORKERS, NEC	74.	90.	1.2059
68	SOCIAL SCIENTISTS	92.	198.	2.1463
69	ECONOMISTS	56.	95.	1.6994
70	POLITICAL SCIENTISTS	0.	0.	0.0000
71	PSYCHOLOGISTS	23.	63.	2.7072
72	SOCIOLOGISTS	0.	9.	9.0363
73	URBAN AND REG PLANNERS	2.	11.	4.7961
74	SOCIAL SCIENTISTS, NEC	10.	19.	1.8446
75	SOCIAL AND RECR WORKERS	313.	606.	1.9320
76	SOCIAL WORKERS	267.	541.	2.0221
77	RECREATION WORKERS	46.	65.	1.4121
78	TEACHERS, COLLEGE $ UNIV	265.	606.	2.2814
79	AGRICULTURE TEACHERS	5.	0.	0.0000
80	ATMOS, EARTH, MAR $ SPA	0.	0.	0.0000
81	BIOLOGY TEACHERS	10.	23.	2.2264
82	CHEMISTRY TEACHERS	11.	20.	1.8054
83	PHYSICS TEACHERS	12.	5.	0.4526
84	ENGINEERING TEACHERS	13.	13.	1.0091
85	MATHEMATICS TEACHERS	14.	31.	2.1993
86	HEALTH SPECIALT TEACHER	6.	33.	5.0411
87	PSYCHOLOGY TEACHERS	1.	26.	16.6748
88	BUS. $ COMMERCE TEACHER	8.	12.	1.5404
89	ECONOMICS TEACHERS	4.	11.	2.3293
90	HISTORY TEACHERS	12.	27.	2.2508
91	SOCIOLOGY TEACHERS	0.	14.	18.0172
92	SOCIAL SC TEACHERS NEC	5.	19.	3.8060
93	ART, DRAMA $ MUSIC TEAC	27.	33.	1.2315
94	COACHES $ PHYSICAL ED	13.	20.	1.5289
95	EDUCATION TEACHERS	8.	8.	0.9856
96	ENGLISH TEACHERS	26.	24.	0.9320
97	FOREIGN LANG TEACHERS	9.	29.	3.1288
98	HOME ECONOMICS TEACHERS	0.	2.	2.1813
99	LAW TEACHERS	0.	2.	3.5660
100	THEOLOGY TEACHERS	2.	11.	4.1303
101	TRADE, IND $ TECH TEACH	0.	3.	3.9966
102	MISCELL. TEACHERS, COLL	7.	20.	2.7751
103	TEACHERS, CC $ UNIV NEC	61.	211.	3.4356
104	TEACHERS, EX CC $ UNIV	3820.	6288.	1.6458
105	ADULT EDUCATION TEACHER	80.	89.	1.1028
106	ELEMENTARY SCH TEACHERS	1955.	2904.	1.4854
107	PREKIND $ KINDERG TEACH	140.	177.	1.2652
108	SECONDARY SCH TEACHERS	1364.	2743.	2.0105
109	TEACHERS, NEC	279.	373.	1.3360
110	ENGN $ SC TECHNICIANS	1571.	2142.	1.3637

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN HARRISBURG

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	192.	81.	0.4230
112	CHEMICAL TECHNICIANS	98.	49.	0.5037
113	DRAFTMEN	541.	1049.	1.9404
114	ELEC $ ELECTRON ENG TEC	294.	359.	1.2192
115	IND ENG TECHNICIANS	54.	38.	0.7105
116	MECHNICAL ENG TECH	33.	5.	0.1674
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	151.	142.	0.9390
119	ENG $ SC TECH, NEC	205.	416.	2.0239
120	TECHN, EX HEAL ENG $ SC	169.	350.	2.0673
121	AIRPLANE PILOTS	41.	65.	1.5705
122	AIR TRAFFIC CONTROLLERS	27.	77.	2.7931
123	EMBALMERS	13.	0.	0.0000
124	FLIGHT ENGINEERS	14.	0.	0.0000
125	RADIO OPERATORS	48.	49.	1.0307
126	TOOL PROGRAMMER, NUM CO	2.	0.	0.0000
127	TECHNICIANS NEC	20.	156.	7.5861
128	VOCATION AND ED COUNSELOR	95.	266.	2.7855
129	WRITER, ARTIST $ ENTERTNR	980.	1559.	1.5905
130	ACTORS	4.	0.	0.0000
131	ATHLETES $ KINDRED WORKER	27.	121.	4.4947
132	AUTHORS	25.	15.	0.6139
133	DANCERS	5.	4.	0.7970
134	DESIGNERS	155.	225.	1.4523
135	EDITORS AND REPORTERS	185.	263.	1.4202
136	MUSICIANS $ COMPOSERS	154.	166.	1.0788
137	PAINTERS AND SCULPTORS	139.	210.	1.5074
138	PHOTOGRAPHERS	97.	180.	1.8448
139	PUB REL MEN $ PUB WRITR	97.	204.	2.1044
140	RADIO $ TV ANNOUNCERS	45.	28.	0.6269
141	WRITER ARTIST $ ENT NEC	43.	138.	3.2143
142	RESEARCH WORKERS NOT SPEC	228.	204.	0.8937
143	MANAGER $ ADM, EXC FARM	13617.	14494.	1.0644
144	ASSESSOR CONTR $ TREAS	133.	91.	0.6841
145	BANK OFFICER $ FIN MANG	54.	569.	10.4239
146	BUYER $ SHIPPER, FARM	56.	9.	0.1604
147	BUYER, WHOL $ RET TRADE	240.	394.	1.6408
148	CREDIT MEN	116.	172.	1.4854
149	FUNERAL DIRECTORS	66.	97.	1.4509
150	HEALTH ADMINISTRATORS	18.	112.	6.1409
151	CONSTRUCTION INSPECTORS	125.	9.	0.0721
152	INSPECTOR, EXC CONSTRUC	412.	454.	1.1009
153	MANAGER $ SUPERINT, BLD	31.	54.	1.7446
154	OFFICE MANAGERS NEC	63.	48.	0.7591
155	OFFICER PILOT PURS SHIP	6.	5.	0.9121
156	OFFIC $ ADM, PUB AD NEC	1143.	1601.	1.4000
157	OFF OF LODGE SO $ UNION	102.	120.	1.1761
158	POSTMASTER $ MAIL SUPER	77.	75.	0.9749
159	PURCH AGT $ BUYER NEC	271.	590.	2.1771
160	RAILROAD CONDUCTORS	425.	413.	0.9706
161	RESTAUR CAFET $ BAR MAN	612.	608.	0.9925
162	SALES MANAGERS, RET TRD	266.	466.	1.7550
163	SALES MANAGERS, EXC RET	151.	577.	3.8194
164	SCHOOL ADM, COLLEGE	16.	40.	2.4668
165	SCHOOL ADM, EL $ SECOND	238.	369.	1.5505

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN HARRISBURG

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	8985.	7611.	0.8470
167	SALES WORKERS	12159.	12358.	1.0164
168	ADVERTISING AGT $ SALES	43.	97.	2.2244
169	AUCTIONEERS	4.	5.	1.1508
170	DEMONSTRATORS	83.	115.	1.3855
171	HUCKSTERS $ PEDDLERS	116.	359.	3.0830
172	INS AGT BRKR UNDERWRTRS	1162.	1384.	1.1904
173	NEWSBOYS	533.	141.	0.2647
174	REAL EST AGT $ BROKERS	376.	339.	0.9035
175	STOCK $ BOND SALESMEN	90.	154.	1.7105
176	SALES REPRSTTV, MFG IND	1177.	729.	0.6192
177	SALES REPRSTTIV, WHO TR	1260.	1590.	1.2613
178	SALES CLERKS, RET TRADE	5583.	5953.	1.0662
179	SALESMEN, RETAIL TRADE	1173.	1051.	0.8962
180	SALESMEN OF SVC $ CONST	553.	437.	0.7902
181	CLERICAL $ KIND WORKERS	32857.	39609.	1.2054
182	BANK TELLERS	348.	694.	1.9951
183	BILLING CLERKS	179.	300.	1.6703
184	BOOKKEEPERS	1885.	3410.	1.8082
185	CASHIERS	1225.	1714.	1.3988
186	CLERICAL ASST, SOC WELF	0.	0.	0.0000
187	CLERICAL SUPERV, NEC	235.	478.	2.0373
188	COLLECTOR, BILL $ ACCT	103.	76.	0.7396
189	COUNTER CLERK, EX FOOD	520.	419.	0.8055
190	DISPATCHER $ STARTERS	141.	257.	1.8173
191	ENUMERATOR $ INTERVIEWR	471.	93.	0.1988
192	ESTIMATOR $ INV NEC	566.	747.	1.3195
193	EXPEDITER $ PROD CONTRL	632.	578.	0.9134
194	FILE CLERKS	1107.	2005.	1.8098
195	INSUR ADJUSTER, EXAM	230.	441.	1.9135
196	LIBRARY ATTENDANT	39.	277.	6.9626
197	MAIL CARRIER, POST OFF	396.	596.	1.5032
198	MAIL HANDLER, EX POST	277.	602.	2.1664
199	MESSENGER $ OFF BOY	163.	159.	0.9812
200	METER READER, UTILITIES	173.	64.	0.3710
201	OFFICE MACHINE OPERATORS	1531.	2456.	1.6045
202	BOOKKPNG $ BILL MACH OP	251.	222.	0.8842
203	CALCULATING MACH OP	183.	73.	0.3996
204	COMPUTER $ PERIPH EQUIP	9.	632.	66.6896
205	DUPLICATING MACH OP	67.	181.	2.7119
206	KEYPUNCH OPERATORS	793.	1111.	1.4006
207	TABULATING MACH OP	125.	50.	0.4059
208	OFFICE MACH OP, NEC	100.	184.	1.8333
209	PAYROLL $ TIMEKPNG CLERKS	276.	440.	1.5940
210	POSTAL CLERKS	629.	869.	1.3810
211	PROOFREADERS	69.	85.	1.2379
212	REAL ESTATE APPRAISERS	41.	60.	1.4855
213	RECEPTIONISTS	293.	646.	2.2024
214	SECRETARIES	4499.	7580.	1.6846
215	SECRETARIES, LEGAL	105.	189.	1.7971
216	SECRETARIES, MEDICAL	105.	265.	2.5144
217	SECRETARIES, NEC	4288.	7125.	1.6614
218	SHIPPING $ RECEIV CLERKS	848.	1147.	1.3519
219	STATISTICAL CLERKS	576.	1078.	1.8698
220	STENOGRAPHERS	1361.	661.	0.4861

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN HARRISBURG

		1960	1970	1960-70
221	STOCK CLERKS & STOREKEEPE	1428.	1539.	1.0778
222	TEACHER AIDES, EX SCHL MD	54.	219.	4.0342
223	TELEGRAPH MESSENGERS	9.	4.	0.5042
224	TELEGRAPH OPERATORS	32.	18.	0.5483
225	TELEPHONE OPERATORS	1077.	858.	0.7967
226	TICKET, STATION & EXP AGT	138.	83.	0.6041
227	TYPISTS	3283.	4886.	1.4880
228	WEIGHERS	184.	58.	0.3179
229	MISCELLANEOUS CLERICAL	1332.	1453.	1.0914
230	NOT SPECIFIED CLERIC WORK	6486.	2538.	0.3913
231	CRAFTMEN AND KINDRED WRK	25043.	23654.	0.9445
232	AUTO ACCESS INSTALLERS	21.	7.	0.3735
233	BAKERS	310.	269.	0.8667
234	BLACKSMITHS	13.	25.	1.9101
235	BOILERMAKERS	76.	38.	0.4985
236	BOOKBINDERS	85.	66.	0.7788
237	BRICKMASON & STONEMASON	503.	427.	0.8480
238	BRICK & STONEMASON APPAR	10.	10.	0.9968
239	BULLDOZER OPERATORS	181.	100.	0.5534
240	CABINETMAKERS	89.	70.	0.7848
241	CARPENTERS	1736.	1941.	1.1180
242	CARPENTER APPRENTICES	15.	29.	1.8606
243	CARPET INSTALLERS	53.	93.	1.7367
244	CEMENT & CONCRETE FINSHER	64.	101.	1.5671
245	COMPOSITOR & TYPESETTER	535.	358.	0.6697
246	PRINT APPRENT, EXC PRESS	20.	14.	0.7341
247	CRANEMEN DERRICKMEN HOIST	668.	479.	0.7172
248	DECORATOR & WINDOW DRESSE	94.	153.	1.6290
249	DENTAL LAB TECHNICIANS	45.	72.	1.5822
250	ELECTRICIANS	907.	998.	1.1003
251	ELECTRICIAN APPRENTICES	14.	42.	2.9117
252	ELEC POWER LINE & CABLEMN	229.	241.	1.0549
253	ELECTRO & STEREOTYPERS	30.	5.	0.1849
254	ENGRAVERS, EXC PHOTOGRAVR	18.	12.	0.6773
255	EXCAVATING GRADING OPERTR	304.	389.	1.2792
256	FLOOR LAYER EXC TILE SETR	39.	19.	0.4837
257	FOREMEN NEC	3156.	3601.	1.1410
258	FOREMEN AND HAMMERMEN	62.	63.	1.0164
259	FURNITURE & WOOD FINISHER	32.	39.	1.2041
260	FURRIERS	12.	3.	0.2617
261	GLAZIERS	36.	56.	1.5409
262	HEAT TREATER ANNEALER	61.	50.	0.8220
263	INSPECTOR, LOG & LUMBER	0.	0.	0.0000
264	INSPECTORS, NEC	611.	567.	0.9280
265	JEWELERS AND WATCHMAKERS	36.	55.	1.5178
266	JOB & DIE SETTER, METAL	36.	130.	3.5803
267	LOCOMOTIVE ENGINEERS	396.	374.	0.9443
268	LOCOMOTIVE FIREMEN	353.	67.	0.1917
269	MACHINISTS	1114.	640.	0.5749
270	MACHINIST APPRENTICES	29.	27.	0.9162
271	MECHANICS AND REPAIRMEN	7098.	6410.	0.9030
272	AIRCON HEAT & REFRGTR	143.	372.	2.5993
273	AIRCRAFT	776.	333.	0.4291
274	AUTO BODY REPAIRMEN	198.	274.	1.3865
275	AUTO MECHANICS	1538.	2153.	1.3999

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN HARRISBURG

		1960	1970	1960-70
276	AUTO MECHANIC APPR	4.	8.	1.7622
277	DATA PROCESS MACH REPR	0.	154.	154.7129
278	FARM IMPLEMENT	132.	60.	0.4604
279	HEAVY EQUIP MECHANICS	690.	1219.	1.3696
280	HOUSEHOLD APPL $ ACC	284.	288.	1.0111
281	LOOM FIXERS	29.	32.	1.1189
282	OFFICE MACHINE	129.	343.	2.6437
283	RADIO AND TV	346.	266.	0.7682
284	RAILROAD AND CAR SHOP	375.	369.	0.9828
285	MECHANIC EX AUTO APPR	4.	15.	3.2249
286	MISCELL MECHAN $ REPAIR	561.	377.	0.6718
287	NOT SPEC MECH $ REPAIR	1681.	140.	0.0832
288	MILLER GRAIN FLOUR $ FEED	26.	34.	1.3011
289	MILLWRITHTS	90.	240.	2.6441
290	MOLDERS, METAL	79.	93.	1.1780
291	MOLDER APPRENTICES	0.	1.	4.2653
292	MOTION PIC PROJECTIONISTS	24.	6.	0.2759
293	OPTICIAN $ LENS GRINDER	47.	42.	0.8973
294	PRINTER, CONST $ MAINTENC	942.	586.	0.6220
295	PAINTER APPRENTICES	0.	2.	2.3567
296	PAPERHANGERS	113.	5.	0.0497
297	PATTERN $ MODEL MAKER	129.	83.	0.6445
298	PHOTOENGRAVER $ LITHOGRPH	55.	67.	1.2270
299	PIANO $ ORGAN TUNER $ REP	4.	4.	0.9221
300	PLASTERERS	133.	54.	0.4085
301	PLASTERER APPRENTICES	0.	0.	0.7745
302	PLUMBER $ PIPE FITTER	894.	797.	0.8920
303	PLUMBER $ PIPE FIT APPR	15.	34.	2.1458
304	POWER STATION OPERATORS	68.	6.	0.0989
305	PRESSMEN $ PLATE PRINTER	206.	404.	1.9601
306	PRESSMAN APPRENTICES	2.	6.	2.2715
307	ROLLER $ FINISHER,METAL	108.	57.	0.5293
308	ROOFER AND SLATER	172.	240.	1.3933
309	SHEETMETAL WORKER $ TINSM	294.	369.	1.2529
310	SHEETMETAL APPRENTICES	2.	15.	5.7608
311	SHIPFITTERS	15.	0.	0.0000
312	SHOE REPAIRMEN	106.	191.	1.7992
313	SIGN PAINTERS $ LETTERER	76.	40.	0.5308
314	STATIONARY ENGINEERS	675.	317.	0.4696
315	STONE CUTTER $ CARVER	1.	29.	21.9095
316	STRUCTURAL METAL DRAFTMEN	94.	189.	2.0060
317	TAILORS	197.	141.	0.7158
318	TELEPHONE INST $ REPAIRMN	448.	579.	1.2911
319	TELEPHONE LINEMEN $SPLICR	123.	102.	0.8316
320	TILE SETTER	128.	84.	0.6568
321	TOOL AND DIE MAKERS	285.	394.	1.3799
322	TOOL AND DIE MAKER APPR	11.	22.	1.9148
323	UPHOLSTERERS	117.	65.	0.5582
324	SPECIFIED CRAFT APPR, NEC	24.	28.	1.1724
325	NOT SPEC APPRENTICES	10.	7.	0.6846
326	DRAFTMEN $ KIND NMKR NEC	189.	239.	1.2654
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	22653.	22557.	0.9957
329	ASBESTOS $ INSLL WORKERS	14.	27.	1.8463
330	ASSEMBLERS	618.	1133.	1.8316

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN HARRISBURG

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	6.	7.	1.2983
332	BOTTLING & CANNING OPERT	125.	67.	0.5415
333	CHAINMEN RODMEN & AXMEN	4.	6.	1.3793
334	CHECKER EXAMINER INS,MFG	987.	1463.	1.4812
335	CLOTHING IRONER & PRESSER	535.	494.	0.9245
336	CUTTING OPERATIVE NEC	1545.	500.	0.3241
337	DRESSMAKER &SEAMSTRESS	299.	167.	0.5585
338	DRILLERS, EARTH	79.	60.	0.7674
339	DRY WALL INSTALLER & LATH	109.	85.	0.7849
340	DYERS	35.	51.	1.4688
341	FILER POLISHER SANDER	330.	566.	1.7136
342	FURNACEMEN SMELTERMEN	364.	171.	0.4701
343	GARAGE WORKERS & GAS STAT	726.	948.	1.3051
344	GRADER &SORTER, MFG	60.	101.	1.6858
345	PRODUCE GRADER & PACKER	67.	46.	0.6862
346	HEATER, METAL	82.	90.	1.0889
347	LAUNDRY & DRY CLNG OP NEC	357.	344.	0.9642
348	MEAT CUTTER & BUTCHER	337.	379.	1.1268
349	MEAT CUTTER & BUTCHER MFG	180.	95.	0.5321
350	MEAT WRAPPER RETAIL TRADE	129.	78.	0.6030
351	METAL PLATERS	65.	64.	0.9822
352	MILLINERS	26.	0.	0.0000
353	MINE OPERATIVES NEC	198.	88.	0.4427
354	MIXING OPERATIVES	128.	137.	1.0740
355	OILER AND GREASER, EX AUT	119.	76.	0.6416
356	PACKER & WRAPPER EX MEAT	1615.	1758.	1.0888
357	PAINTER, MFG ARTICLES	162.	146.	0.9032
358	PHOTOG PROCESS WORKERS	109.	89.	0.8175
359	PRECISION MACHINE OPERATV	592.	1172.	1.9786
360	DRILL PRESS OPERATIVES	130.	74.	0.5727
361	GRINDING MACHINE OPERTV	177.	647.	3.6406
362	LATHE & LILLING MACH OP	190.	365.	1.9187
363	PRECISION MACH OP NEC	93.	84.	0.9004
364	PUNCH & STAMPING PRESS OP	366.	241.	0.6595
365	RIVETER AND FASTNERS	56.	101.	1.7811
366	SAILORS AND DECKHANDLERS	6.	0.	0.0000
367	SAWYERS	82.	154.	1.8757
368	SEWERS AND STICHERS	3602.	3532.	0.9803
369	SHOEMAKING MACH OPRTV	303.	937.	3.0846
370	SOLDERERS	170.	44.	0.2588
371	STATIONARY FIREMEN	361.	267.	0.7408
372	TEXTILE OPERATIVES	1091.	382.	0.3504
373	CARDING LAPPING OP	91.	0.	0.0000
374	KNITTING LOOPER TOPPER	41.	0.	0.0000
375	SPINNER TWISTER & WINDE	307.	56.	0.1833
376	WEAVERS	202.	157.	0.7788
377	TEXTILE OP NEC	448.	168.	0.3751
378	WELDERS & FLAMECUTTERS	851.	894.	1.0516
379	WINDING OP NEC	111.	49.	0.4414
380	MACHINE OP, MISC SPECIFD	1655.	2249.	1.3586
381	MACHINE OP NOT SPECIFIED	1379.	1066.	0.7731
382	MISCELL OPERATIVES	1808.	1398.	0.7733
383	NOT SPECIFIED OPERATIVES	789.	812.	1.0286
384	TRANSPORT EQUIPMENT OPERT	6451.	7237.	1.1219
385	BOATMEN AND CANALMEN	0.	0.	0.0000

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN HARRISBURG

		1960	1970	1960-70
386	BUS DRIVERS	382.	361.	0.9979
387	CONDUCTOR $ MOTORMEN	4.	0.	0.0000
388	DELIVERYMEN $ ROUTEMEN	1088.	1922.	1.7658
389	FORK LIFT $ TOW MOTOR OP	230.	656.	2.8440
390	MOTORMEN MINE FACTORY ETC	35.	5.	0.1600
391	PARKING ATTENDANTS	58.	59.	1.0185
392	RAILROAD BRAKEMEN	797.	675.	0.8476
393	RIALROAD SWITCHMEN	119.	108.	0.9040
394	TAXICAB DRIVERS $ CHAUFFR	212.	160.	0.7540
395	TRUCK DRIVERS	3520.	3267.	0.9280
396	LABORERS, EX FARM	9269.	8246.	0.8896
397	ANIMAL CARETAKER EX FARM	58.	41.	0.7083
398	CARPENTERS HELPERS	27.	126.	4.5921
399	CONSTRUCT LABOR EXC CARP	2094.	1500.	0.7163
400	FISHERMEN AND OYSTERMEN	18.	5.	0.2972
401	FREIGHT $ MATERIAL HANDLR	1293.	1800.	1.3920
402	GARBAGE COLLECTORS	91.	108.	1.1796
403	GARDNERS AND GROUNDKEEPER	473.	542.	1.1452
404	LONGSHOREMEN $ STEVEDORES	4.	0.	0.0000
405	LUMBERMEN RAFTMEN $ WDCHP	35.	32.	0.9114
406	STOCK HANDLERS	964.	1125.	1.1671
407	TEAMSTERS	9.	10.	1.0370
408	VEHICLE WASHER $ EQUIP CL	347.	292.	0.8421
409	WAREHOUSEMEN NEC	829.	491.	0.5922
410	MISCELL LABORERS	794.	600.	0.7555
411	NOT SPECIFIED LABORERS	2225.	1569.	0.7053
412	FARMERS AND FARM MANAGERS	2610.	1758.	0.6735
413	FARMERS OWNERS $ TENANTS	2508.	1675.	0.6677
414	FARM MANAGERS	101.	83.	0.8161
415	FARM LABORER $ FOREMEN	1619.	1119.	0.6911
416	FARM FOREMEN	20.	23.	1.1718
417	FARM LABORER WAGE WORKER	1222.	870.	0.7116
418	FARM LABORER UNPAID FAM W	366.	221.	0.6030
419	FARM SERVICE LABOR, SELF	10.	4.	0.4464
420	SERVICE WORKER EX PRI HHD	13353.	18418.	1.3793
421	CLEANING SERVICE WORKER	3367.	4432.	1.3162
422	CHAMBERMAID EX PRV HHD	405.	455.	1.1241
423	CLEANERS $ CHARWOMEN	744.	1028.	1.3815
424	JANITOR AND SEXTON	2217.	2948.	1.3294
425	FOOD SERVICE WORKERS	4366.	7036.	1.6113
426	BARTENDERS	567.	530.	0.9353
427	BUSBOYS	256.	178.	0.6928
428	COOKS EX PR HHD	14.	1762.	118.0231
429	DISHWASHERS	314.	551.	1.7526
430	FOOD COUNTER $ FOUNTAIN	408.	339.	0.8315
431	WAITERS	2238.	2632.	1.1758
432	FOOD SERVICE WRKR NEC	565.	1040.	1.8415
433	HEALTH SERVICE WORKERS	1617.	2125.	1.3147
434	DENTAL ASSISTANTS	89.	172.	1.9284
435	HEALTH AIDES EX NURSEIN	66.	261.	3.9445
436	HEALTH TRAINEES	362.	68.	0.1898
437	LAY MIDWIFE	0.	0.	0.0000
438	NURSING AIDE ORDERLY	745.	1081.	1.4503
439	PRACTICAL NURSES	352.	540.	1.5342
440	PERSONAL SERVICE WORKERS	2202.	2543.	1.1548

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN HARRISBURG

		1960	1970	1960-70
441	AIRLINE STEWARDESS	29.	65.	2.1990
442	ATTENDANT, RECREAT $ AM	101.	112.	1.1180
443	ATTENDANT, PERS SRV NEC	253.	99.	0.3918
444	BAGGAGE PORTER $ BELLHO	51.	41.	0.8129
445	BARBERS	394.	407.	1.0330
446	BOADING $ LODGING HSEKP	14.	3.	0.2308
447	BOOTBLACKS	61.	5.	0.0916
448	CHILD CARE EX PR HHD	97.	420.	4.2907
449	ELEVATOR OPERATORS	176.	97.	0.5491
450	HAIRDRESSER $ COSMETOL	713.	1024.	1.4357
451	PERSONAL SVC APPRENTICE	2.	1.	0.3669
452	HOUSEKEEPER EX PR HHD	252.	137.	0.5472
453	SCHOOL MONITORS	6.	35.	5.1278
454	USHER, RECREAT $ AMUS	44.	51.	1.1753
455	WELFARE SVC AIDES	1.	39.	25.2973
456	PROTECTIVE SERVICE WORKER	1799.	2280.	1.2671
457	CROSSING GUARD $ BRIDGE	55.	74.	1.3400
458	FIREMEN, FIREPROTECTION	205.	184.	0.8963
459	GUARD $ WATCHMEN	759.	877.	1.1560
460	MARSHAL $ CONSTABLE	13.	13.	1.0017
461	POLICEMEN $ DETECTIVES	751.	1117.	1.4870
462	SHERIFFS $ BAILIFFS	14.	13.	0.9182
463	PRIVATE HOUSE WORKERS	2531.	1105.	0.4367
464	CHILD CARE WORKER PRV HHD	517.	162.	0.3148
465	COOKS PRV HHD	59.	6.	0.1134
466	HOUSEKEEPER PRV HHD	218.	97.	0.4444
467	LAUNDRESS PRV HHD	57.	15.	0.2725
468	MAID $ SERVANT PRV HHD	1679.	823.	0.4903
469	OCCUPATION NOT REPORTED	7432.	16666.	2.2425

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN JOHNSTOWN

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL OCC	83115.	90337.	1.0868
2	PROF TECH AND KINDRED	7390.	9460.	1.2801
3	ACCOUNTANTS	282.	414.	1.4659
4	ARCHITECTS	21.	11.	0.5406
5	COMPUTER SPECIALISTS	5.	120.	21.3001
6	COMPUTER PROGRAMMERS	3.	89.	23.7149
7	COMP SYSTEMS ANALYSTS	1.	31.	20.7042
8	COMPUTER SPEC. NEC	0.	0.	0.0000
9	ENGINEERS	586.	743.	1.2673
10	AERONAUT AND ASTRON ENG	7.	6.	0.8028
11	CHEMICAL ENGINEERS	0.	33.	88.9649
12	CIVIL ENGINEERS	82.	109.	1.3342
13	ELECTR AND ELECTRO ENG	87.	177.	2.0142
14	INDUSTRIAL ENGINEERS	168.	133.	0.7928
15	MECHANICAL ENGINEERS	93.	91.	0.9785
16	METALLUR AND MATER ENG	22.	52.	2.3179
17	MINING ENGINEERS	31.	38.	1.2199
18	PETORLEUM ENGINEERS	25.	0.	0.0000
19	SALES ENGINEERS	27.	25.	0.9366
20	ENGINEERS, NEC	40.	75.	1.8669
21	FARM MANAGEMENT ADVISORS	0.	5.	5.1887
22	FORESTOR $ CONSRVATIONIST	19.	13.	0.6846
23	HOME MANAGEMENT ADVISORS	4.	7.	1.8111
24	LAWYERS AND JUDGES	167.	145.	0.8698
25	JUDGES	8.	11.	1.3613
26	LAWYERS	158.	133.	0.8438
27	LIBRARIANS ARCHIV CURATOR	57.	157.	2.7531
28	LIBRARIANS	56.	157.	2.7710
29	ARCHIVISTS AND CURATORS	0.	0.	0.0000
30	MATHEMATICAL SPECIALISTS	7.	0.	0.0000
31	ACTUARIES	0.	0.	0.0000
32	MATHEMATICIANS	0.	0.	0.0000
33	STATISTICIANS	7.	0.	0.0000
34	LIFE $ PHYSICAL SCIENT.	89.	49.	0.5574
35	AGRICULTURAL SCIENTISTS	3.	0.	0.0000
36	ATMOSPHERIC $ SPACE SCI	1.	0.	0.0000
37	BIOLOGICAL SCIENTISTS	4.	7.	1.7897
38	CHEMISTS	79.	42.	0.5341
39	GEOLOGISTS	0.	0.	0.0000
40	MARINE SCIENTISTS	0.	0.	0.0000
41	PHYSICISTS AND ASTRONOM	0.	0.	0.0000
42	LIFE AND PHYS SCIEN NEC	0.	0.	0.0000
43	OPERATIONS $ SYST RESEAR	9.	9.	0.9381
44	PERSONNEL $ LABOR REL WOK	57.	163.	2.8286
45	PHYSICIANS,DENTISTS $ REL	476.	509.	1.0694
46	CHIROPRACTORS	15.	31.	2.0477
47	DENTISTS	129.	122.	0.9437
48	OPTOMETRISTS	19.	23.	1.2406
49	PHARMACISTS	85.	71.	0.8323
50	PHYSICIANS& MED $ OSTEO	219.	251.	1.1451
51	PODIATRISTS	6.	0.	0.0000
52	VETERINARIANS	0.	9.	9.3005
53	HEALTH PRACTITIONERS NE	0.	0.	0.0000
54	NURSES, DIETITIANS $ THER	1166.	1410.	1.2095
55	DIETITIANS	27.	19.	0.7206

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN JOHNSTOWN

		1960	1970	1960-70
56	REGISTERED NURSES	1120.	1294.	1.1546
57	THERAPISTS	17.	96.	5.4273
58	HEALTH TECHNOLOG $ TECHIC	173.	250.	1.4422
59	CLIN LAB TECHNO $ TECHN	84.	125.	1.4840
60	DENTAL HYGIENISTS	9.	0.	0.0000
61	HEALTH RECORD TECH	6.	0.	0.0000
62	RADIOLOGIC TECH	54.	74.	1.3615
63	THERAPY ASSISTANTS	0.	0.	0.0000
64	HEALTH TECH, NEC	16.	49.	2.9783
65	RELIGIOUS WORKERS	434.	395.	0.9092
66	CLERGYMEN	391.	358.	0.9139
67	RELIGIOUS WORKERS, NEC	43.	37.	0.8661
68	SOCIAL SCIENTISTS	25.	52.	2.1117
69	ECONOMISTS	24.	18.	0.7557
70	POLITICAL SCIENTISTS	0.	0.	0.0000
71	PSYCHOLOGISTS	0.	28.	28.0238
72	SOCIOLOGISTS	0.	6.	6.2272
73	URBAN AND REG PLANNERS	0.	0.	0.0000
74	SOCIAL SCIENTISTS, NEC	0.	0.	0.0000
75	SOCIAL AND RECR WORKERS	141.	201.	1.4202
76	SOCIAL WORKERS	126.	190.	1.5076
77	RECREATION WORKERS	15.	10.	0.6673
78	TEACHERS, COLLEGE $ UNIV	141.	227.	1.6038
79	AGRICULTURE TEACHERS	2.	0.	0.0000
80	ATMOS, EARTH, MAR $ SPA	0.	0.	0.0000
81	BIOLOGY TEACHERS	5.	5.	0.8973
82	CHEMISTRY TEACHERS	5.	4.	0.6982
83	PHYSICS TEACHERS	6.	16.	2.6485
84	ENGINEERING TEACHERS	6.	5.	0.7528
85	MATHEMATICS TEACHERS	7.	0.	0.0000
86	HEALTH SPECIALT TEACHER	3.	10.	2.8099
87	PSYCHOLOGY TEACHERS	0.	11.	14.3817
88	BUS. $ COMMERCE TEACHER	4.	3.	0.8460
89	ECONOMICS TEACHERS	2.	0.	0.0000
90	HISTORY TEACHERS	6.	0.	0.0000
91	SOCIOLOGY TEACHERS	0.	6.	15.5391
92	SOCIAL SC TEACHERS NEC	3.	8.	2.8191
93	ART, DRAMA $ MUSIC TEAC	11.	10.	0.8721
94	COACHES $ PHYSICAL ED	9.	6.	0.6830
95	EDUCATION TEACHERS	4.	2.	0.5413
96	ENGLISH TEACHERS	14.	26.	1.8201
97	FOREIGN LANG TEACHERS	5.	8.	1.6466
98	HOME ECONOMICS TEACHERS	0.	0.	0.6638
99	LAW TEACHERS	0.	0.	2.1594
100	THEOLOGY TEACHERS	1.	3.	2.0634
101	TRADE, IND $ TECH TEACH	0.	0.	2.4205
102	MISCELL. TEACHERS, COLL	3.	6.	1.5600
103	TEACHERS, CC $ UNIV NEC	32.	89.	2.7256
104	TEACHERS, EX CC $ UNIV	2673.	3412.	1.2764
105	ADULT EDUCATION TEACHER	38.	42.	1.0986
106	ELEMENTARY SCH TEACHERS	1420.	1648.	1.1600
107	PREKIND $ KINDERG TEACH	90.	80.	0.8940
108	SECONDARY SCH TEACHERS	982.	1551.	1.5788
109	TEACHERS, NEC	140.	89.	0.6342
110	ENGN $ SC TECHNICIANS	463.	644.	1.3894

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN JOHNSTOWN

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	20.	29.	1.4417
112	CHEMICAL TECHNICIANS	33.	21.	0.6487
113	DRAFTMEN	241.	332.	1.3775
114	ELEC $ ELECTRON ENG TEC	28.	46.	1.6208
115	IND ENG TECHNICIANS	9.	9.	0.9406
116	MECHNICAL ENG TECH	9.	4.	0.4546
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	59.	128.	2.1676
119	ENG $ SC TECH, NEC	61.	72.	1.1759
120	TECHN, EX HEAL ENG $ SC	27.	66.	2.3935
121	AIRPLANE PILOTS	3.	20.	5.1966
122	AIR TRAFFIC CONTROLLERS	3.	0.	0.0000
123	EMBALMERS	11.	6.	0.5394
124	FLIGHT ENGINEERS	0.	0.	0.0000
125	RADIO OPERATORS	4.	14.	3.1856
126	TOOL PROGRAMMER, NUM CO	1.	0.	0.0000
127	TECHNICIANS NEC	2.	24.	8.6103
128	VOCATION AND ED COUNSELOR	15.	90.	5.9616
129	WRITER, ARTIST $ ENTERTNR	304.	357.	1.1734
130	ACTORS	0.	0.	0.0000
131	ATHLETES $ KINDRED WORKER	22.	23.	1.0567
132	AUTHORS	2.	0.	0.0000
133	DANCERS	1.	0.	0.0000
134	DESIGNERS	16.	31.	1.8542
135	EDITORS AND REPORTERS	77.	82.	1.0751
136	MUSICIANS $ COMPOSERS	68.	65.	0.9614
137	PAINTERS AND SCULPTORS	46.	39.	0.8460
138	PHOTOGRAPHERS	45.	45.	1.0026
139	PUB REL MEN $ PUB WRITR	7.	31.	3.9109
140	RADIO $ TV ANNOUNCERS	7.	21.	3.0636
141	WRITER ARTIST $ ENT NEC	8.	16.	1.9546
142	RESEARCH WORKERS NOT SPEC	36.	0.	0.0000
143	MANAGER $ ADM, EXC FARM	5681.	4963.	0.8736
144	ASSESSOR CONTR $ TREAS	32.	131.	4.0057
145	BANK OFFICER $ FIN MANG	19.	217.	10.9061
146	BUYER $ SHIPPER, FARM	14.	16.	1.1225
147	BUYER, WHOL $ RET TRADE	80.	198.	2.4751
148	CREDIT MEN	19.	39.	2.0265
149	FUNERAL DIRECTORS	82.	82.	1.0108
150	HEALTH ADMINISTRATORS	9.	56.	5.6831
151	CONSTRUCTION INSPECTORS	17.	21.	1.2344
152	INSPECTOR, EXC CONSTRUC	56.	58.	1.0333
153	MANAGER $ SUPERINT, BLD	0.	14.	14.5241
154	OFFICE MANAGERS NEC	23.	17.	0.7397
155	OFFICER PILOT PURS SHIP	2.	0.	0.0000
156	OFFIC $ ADM, PUB AD NEC	229.	216.	0.9435
157	OFF OF LODGE SO $ UNION	45.	66.	1.4441
158	POSTMASTER $ MAIL SUPER	76.	91.	1.1952
159	PURCH AGT $ BUYER NEC	89.	118.	1.3176
160	RAILROAD CONDUCTORS	156.	86.	0.5499
161	RESTAUR CAFET $ BAR MAN	282.	248.	0.8793
162	SALES MANAGERS, RET TRD	102.	171.	1.6723
163	SALES MANAGERS, EXC RET	62.	80.	1.2891
164	SCHOOL ADM, COLLEGE	8.	49.	5.7523
165	SCHOOL ADM, EL $ SECOND	189.	217.	1.1504

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN JOHNSTOWN

		1960	1970	1960-70
166	MANAGER $ ADP, NEC	4076.	2761.	0.6773
167	SALES WORKERS	6321.	5642.	0.8926
168	ADVERTISING AGT $ SALES	26.	60.	2.2852
169	AUCTIONEERS	0.	11.	11.4019
170	DEMONSTRATORS	23.	31.	1.3011
171	HUCKSTERS $ PEDDLERS	28.	133.	4.6696
172	INS AGT BRKR UNDERWRTRS	441.	522.	1.1837
173	NEWSBOYS	331.	173.	0.5216
174	REAL EST AGT $ BROKERS	56.	48.	0.8685
175	STOCK $ BOND SALESMEN	37.	68.	1.8270
176	SALES REPRSTTV, MFG IND	570.	239.	0.4193
177	SALES REPRSTTIV, WHO TR	589.	497.	0.8437
178	SALES CLERKS, RET TRADE	3379.	3055.	0.9038
179	SALESMEN, RETAIL TRADE	568.	608.	1.0699
180	SALESMEN OF SVC $ CONST	266.	192.	0.7235
181	CLERICAL $ KIND WORKERS	8379.	11328.	1.3518
182	BANK TELLERS	210.	306.	1.4525
183	BILLING CLERKS	36.	80.	2.1967
184	BOOKKEEPERS	821.	1560.	1.8985
185	CASHIERS	629.	916.	1.4573
186	CLERICAL ASST, SOC WELF	0.	0.	0.0000
187	CLERICAL SUPERV, NEC	56.	66.	1.1660
188	COLLECTOR, BILL $ ACCT	36.	16.	0.4575
189	COUNTER CLERK, EX FOOD	118.	215.	1.8151
190	DISPATCHER $ STARTERS	49.	21.	0.4402
191	ENUMERATOR $ INTERVIEWR	96.	42.	0.4420
192	ESTIMATOR $ INV NEC	148.	133.	0.9017
193	EXPEDITER $ PROD CONTRL	174.	189.	1.0884
194	FILE CLERKS	58.	209.	3.6034
195	INSUR ADJUSTER, EXAM	52.	72.	1.3762
196	LIBRARY ATTENDANT	21.	65.	3.0150
197	MAIL CARRIER, POST OFF	259.	321.	1.2367
198	MAIL HANDLER, EX POST	69.	23.	0.3406
199	MESSENGER $ OFF BOY	31.	17.	0.5453
200	METER READER, UTILITIES	50.	65.	1.3035
201	OFFICE MACHINE OPERATORS	156.	328.	2.1042
202	BOOKKPNG $ BILL MACH OP	26.	51.	1.9709
203	CALCULATING MACH OP	17.	11.	0.6390
204	COMPUTER $ PERIPH EQUIP	0.	48.	50.1409
205	DUPLICATING MACH OP	7.	6.	0.8721
206	KEYPUNCH OPERATORS	80.	198.	2.4784
207	TABULATING MACH OP	13.	0.	0.0000
208	OFFICE MACH OP, NEC	10.	11.	1.1359
209	PAYROLL $ TIMEKPNG CLERKS	179.	188.	1.0538
210	POSTAL CLERKS	172.	288.	1.6724
211	PROOFREADERS	15.	12.	0.8176
212	REAL ESTATE APPRAISERS	14.	4.	0.2904
213	RECEPTIONISTS	127.	229.	1.7929
214	SECRETARIES	1472.	2673.	1.8158
215	SECRETARIES, LEGAL	34.	66.	1.9433
216	SECRETARIES, MEDICAL	34.	93.	2.7202
217	SECRETARIES, NEC	1403.	2513.	1.7905
218	SHIPPING $ RECEIV CLERKS	253.	342.	1.3526
219	STATISTICAL CLERKS	137.	262.	1.9075
220	STENOGRAPHERS	253.	195.	0.7687

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN JOHNSTOWN

		1960	1970	1960-70
221	STOCK CLERKS $ STOREKEEPE	280.	366.	1.3081
222	TEACHER AIDES, EX SCHL MO	9.	235.	25.7052
223	TELEGRAPH MESSENGERS	4.	0.	0.1084
224	TELEGRAPH OPERATORS	35.	27.	0.7834
225	TELEPHONE OPERATORS	270.	340.	1.2559
226	TICKET, STATION $ EXP AGT	44.	16.	0.3713
227	TYPISTS	244.	602.	2.4594
228	WEIGHERS	52.	63.	1.1998
229	MISCELLANEOUS CLERICAL	323.	319.	0.9863
230	NOT SPECIFIED CLERIC WORK	1408.	504.	0.3585
231	CRAFTMEN AND KINDRED WRK	13501.	14614.	1.0823
232	AUTO ACCESS INSTALLERS	6.	0.	0.0000
233	BAKERS	142.	139.	0.9855
234	BLACKSMITHS	59.	24.	0.4205
235	BOILERMAKERS	50.	28.	0.5791
236	BOOKBINDERS	13.	0.	0.0000
237	BRICKMASON $ STONEMASON	316.	289.	0.9166
238	BRICK $ STONEMASON APPAR	2.	7.	2.5726
239	BULLDOZER OPERATORS	148.	148.	0.9940
240	CABINETMAKERS	82.	46.	0.5678
241	CARPENTERS	957.	984.	1.0285
242	CARPENTER APPRENTICES	7.	14.	1.9417
243	CARPET INSTALLERS	55.	51.	0.9348
244	CEMENT $ CONCRETE FINSHER	56.	102.	1.8308
245	COMPOSITOR $ TYPESETTER	136.	100.	0.7349
246	PRINT APPRENT, EXC PRESS	22.	4.	0.1871
247	CRANEMEN DERRICKMEN HOIST	927.	987.	1.0645
248	DECORATOR $ WINDOW DRESSE	75.	58.	0.7677
249	DENTAL LAB TECHNICIANS	13.	24.	1.8161
250	ELECTRICIANS	511.	707.	1.3828
251	ELECTRICIAN APPRENTICES	3.	30.	7.8271
252	ELEC POWER LINE $ CABLEMN	98.	194.	1.9690
253	ELECTRO $ STEREOTYPERS	0.	5.	5.1792
254	ENGRAVERS, EXC PHOTOGRAVR	7.	7.	0.9380
255	EXCAVATING GRADING OPERTR	331.	402.	1.2142
256	FLOOR LAYER EXC TILE SETR	21.	9.	0.4352
257	FOREMEN NEC	1764.	2143.	1.2151
258	FOREMEN AND HAMMERMEN	19.	64.	3.2629
259	FURNITURE $ WOOD FINISHER	14.	32.	2.2093
260	FURRIERS	6.	0.	0.0000
261	GLAZIERS	10.	25.	2.4282
262	HEAT TREATER ANNEALER	29.	74.	2.5503
263	INSPECTOR, LOG $ LUMBER	3.	26.	6.9595
264	INSPECTORS, NEC	485.	549.	1.1338
265	JEWELERS AND WATCHMAKERS	12.	50.	4.2064
266	JOB $ DIE SETTER, METAL	14.	55.	3.9707
267	LOCOMOTIVE ENGINEERS	171.	214.	1.2464
268	LOCOMOTIVE FIREMEN	182.	116.	0.6418
269	MACHINISTS	645.	330.	0.5126
270	MACHINIST APPRENTICES	2.	14.	5.7600
271	MECHANICS AND REPAIRMEN	3345.	3436.	1.0270
272	AIRCON HEAT $ REFRGRTR	60.	105.	1.7536
273	AIRCRAFT	3.	22.	5.9912
274	AUTO BODY REPAIRMEN	119.	171.	1.4346
275	AUTO MECHANICS	920.	1154.	1.2540

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN JOHNSTOWN

		1960	1970	1960-70
276	AUTO MECHANIC APPR	11.	4.	0.3980
277	DATA PROCESS MACH REPR	0.	19.	19.6884
278	FARM IMPLEMENT	67.	22.	0.3352
279	HEAVY EQUIP MECHANICS	453.	1072.	2.3655
280	HOUSEHOLD APPL $ ACC	146.	99.	0.6810
281	LOOM FIXERS	0.	0.	0.0000
282	OFFICE MACHINE	46.	65.	1.4065
283	RADIO AND TV	190.	128.	0.6746
284	RAILROAD AND CAR SHOP	188.	284.	1.5081
285	MECHANIC EX AUTO APPR	0.	7.	7.9114
286	MISCELL MECHAN $ REPAIR	273.	189.	0.6934
287	NOT SPEC MECH $ REPAIR	863.	87.	0.1007
288	MILLER GRAIN FLOUR $ FEED	0.	10.	10.3598
289	MILLWRITHTS	177.	364.	2.0496
290	MOLDERS, METAL	100.	139.	1.3929
291	MOLDER APPRENTICES	0.	2.	6.0744
292	MOTION PIC PROJECTIONISTS	12.	5.	0.4031
293	OPTICIAN $ LENS GRINDER	13.	36.	2.6555
294	PRINTER, CONST $ MAINTENC	309.	174.	0.5631
295	PAINTER APPRENTICES	4.	0.	0.1558
296	PAPERHANGERS	16.	7.	0.4372
297	PATTERN $ MODEL MAKER	39.	70.	1.7613
298	PHOTOENGRAVER $ LITHOGRPH	18.	13.	0.7479
299	PIANO $ ORGAN TUNER $ REP	8.	9.	1.0669
300	PLASTERERS	72.	30.	0.4228
301	PLASTERER APPRENTICES	2.	0.	0.1932
302	PLUMBER $ PIPE FITTER	367.	421.	1.1448
303	PLUMBER $ PIPE FIT APPR	18.	18.	0.9815
304	POWER STATION OPERATORS	35.	39.	1.1213
305	PRESSMEN $ PLATE PRINTER	36.	109.	3.0133
306	PRESSMAN APPRENTICES	4.	1.	0.4230
307	ROLLER $ FINISHER,METAL	271.	339.	1.2520
308	ROOFER AND SLATER	40.	39.	0.9706
309	SHEETMETAL WORKER $ TINSM	45.	64.	1.4228
310	SHEETMETAL APPRENTICES	2.	2.	0.9586
311	SHIPFITTERS	18.	0.	0.0000
312	SHOE REPAIRMEN	54.	60.	1.1079
313	SIGN PAINTERS $ LETTERER	27.	18.	0.6850
314	STATIONARY ENGINEERS	277.	255.	0.9212
315	STONE CUTTER $ CARVER	12.	17.	1.4060
316	STRUCTURAL METAL DRAFTMEN	95.	185.	1.9445
317	TAILORS	76.	42.	0.5575
318	TELEPHONE INST $ REPAIRMN	194.	230.	1.1840
319	TELEPHONE LINEMEN $SPLICR	53.	53.	1.0086
320	TILE SETTER	92.	32.	0.3477
321	TOOL AND DIE MAKERS	43.	71.	1.6459
322	TOOL AND DIE MAKER APPR	1.	4.	2.8560
323	UPHOLSTERERS	30.	41.	1.3376
324	SPECIFIED CRAFT APPR, NEC	9.	19.	2.1807
325	NOT SPEC APPRENTICES	6.	5.	0.8000
326	DRAFTMEN $ KIND WRKR NEC	152.	166.	1.0928
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	16458.	17507.	1.0637
329	ASBESTOS $ INSLL WORKERS	7.	14.	1.8753
330	ASSEMBLERS	354.	595.	1.6803

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN JOHNSTOWN

	1960	1970	1960-70
331 BLASTERS AND POWERMEN	45.	24.	0.5484
332 BOTTLING $ CANNING OPERT	58.	45.	0.7850
333 CHAINMEN RODMEN $ AXMEN	15.	19.	1.2684
334 CHECKER EXAMINER INS,MFG	374.	636.	1.6990
335 CLOTHING IRONER $ PRESSER	239.	447.	1.8701
336 CUTTING OPERATIVE NEC	968.	543.	0.5611
337 DRESSMAKER $SEAMSTRESS	144.	77.	0.5364
338 DRILLERS, EARTH	504.	81.	0.1622
339 DRY WALL INSTALLER $ LATH	93.	8.	0.0887
340 DYERS	0.	0.	0.0000
341 FILER POLISHER SANDER	139.	101.	0.7251
342 FURNACEMEN SMELTERMEN	309.	346.	1.1206
343 GARAGE WORKERS $ GAS STAT	478.	519.	1.0845
344 GRADER $SORTER, MFG	14.	25.	1.7695
345 PRODUCE GRADER $ PACKER	19.	10.	0.5359
346 HEATER, METAL	127.	92.	0.7238
347 LAUNDRY $ DRY CLNG OP NEC	159.	210.	1.3213
348 MEAT CUTTER $ BUTCHER	262.	331.	1.2642
349 MEAT CUTTER $ BUTCHER MFG	100.	39.	0.3925
350 MEAT WRAPPER RETAIL TRADE	20.	51.	2.5431
351 METAL PLATERS	42.	19.	0.4585
352 MILLINERS	3.	0.	0.0000
353 MINE OPERATIVES NEC	2920.	2137.	0.7317
354 MIXING OPERATIVES	84.	0.	0.0000
355 OILER AND GREASER, EX AUT	116.	125.	1.0735
356 PACKER $ WRAPPER EX MEAT	250.	562.	2.2469
357 PAINTER, MFG ARTICLES	69.	185.	2.6551
358 PHOTOG PROCESS WORKERS	30.	19.	0.6474
359 PRECISION MACHINE OPERATV	321.	789.	2.4522
360 DRILL PRESS OPERATIVES	76.	78.	1.0319
361 GRINDING MACHINE OPERTV	58.	284.	4.8510
362 LATHE $ LILLING MACH OP	126.	367.	2.9168
363 PRECISION MACH OP NEC	60.	57.	0.9540
364 PUNCH $ STAMPING PRESS OP	197.	167.	0.8497
365 RIVETER AND FASTNERS	29.	42.	1.4185
366 SAILORS AND DECKHANDLERS	3.	6.	1.6036
367 SAWYERS	128.	231.	1.8082
368 SEWERS AND STICHERS	2657.	3609.	1.3583
369 SHOEMAKING MACH OPRTV	130.	129.	0.9939
370 SOLDERERS	67.	0.	0.0000
371 STATIONARY FIREMEN	232.	203.	0.8723
372 TEXTILE OPERATIVES	407.	49.	0.1221
373 CARDING LAPPING OP	50.	0.	0.0000
374 KNITTING LOOPER TOPPER	0.	20.	20.7221
375 SPINNER TWISTER $ WINDE	141.	0.	0.0000
376 WEAVERS	10.	8.	0.7567
377 TEXTILE OP NEC	204.	20.	0.1015
378 WELDERS $ FLAMECUTTERS	1046.	1389.	1.3282
379 WINDING OP NEC	52.	108.	2.0846
380 MACHINE OP, MISC SPECIFD	978.	1016.	1.0379
381 MACHINE OP NOT SPECIFIED	766.	372.	0.4864
382 MISCELL OPERATIVES	1017.	1115.	1.0958
383 NOT SPECIFIED OPERATIVES	461.	1000.	2.1662
384 TRANSPORT EQUIPMENT OPERT	3968.	4343.	1.0944
385 BOATMEN AND CANALMEN	2.	0.	0.0000

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN JOHNSTOWN

		1960	1970	1960-70
386	BUS DRIVERS	224.	257.	1.1432
387	CONDUCTOR $ MOTORMEN	16.	0.	0.0000
388	DELIVERYMEN $ ROUTEMEN	526.	943.	1.7912
389	FORK LIFT $ TOW MOTOR OP	157.	316.	2.0120
390	MOTORMEN MINE FACTORY ETC	337.	166.	0.4940
391	PARKING ATTENDANTS	38.	61.	1.6063
392	RAILROAD BRAKEMEN	384.	198.	0.5163
393	RIALROAD SWITCHMEN	85.	53.	0.6271
394	TAXICAB DRIVERS $ CHAUFFR	88.	76.	0.8655
395	TRUCK DRIVERS	2106.	2269.	1.0775
396	LABORERS, EX FARM	7755.	5837.	0.7526
397	ANIMAL CARETAKER EX FARM	36.	13.	0.3641
398	CARPENTERS HELPERS	52.	88.	1.6685
399	CONSTRUCT LABOR EXC CARP	1978.	905.	0.4577
400	FISHERMEN AND OYSTERMEN	3.	11.	3.4040
401	FREIGHT $ MATERIAL HANDLR	1402.	1041.	0.7427
402	GARBAGE COLLECTORS	86.	85.	0.9958
403	GARDNERS AND GROUNDKEEPER	249.	168.	0.6773
404	LONGSHOREMEN $ STEVEDORES	0.	6.	6.2151
405	LUMBERMEN RAFTMEN $ WDCHP	159.	121.	0.7614
406	STOCK HANDLERS	672.	682.	1.0135
407	TEAMSTERS	4.	11.	2.3613
408	VEHICLE WASHER $ EQUIP CL	286.	205.	0.7168
409	WAREHOUSEMEN NEC	56.	22.	0.4009
410	MISCELL LABORERS	747.	1254.	1.6778
411	NOT SPECIFIED LABORERS	2019.	1219.	0.6041
412	FARMERS AND FARM MANAGERS	1745.	1132.	0.6486
413	FARMERS OWNERS $ TENANTS	1709.	1097.	0.6418
414	FARM MANAGERS	36.	35.	0.9701
415	FARM LABORER $ FOREMEN	1086.	848.	0.7813
416	FARM FOREMEN	3.	15.	3.9220
417	FARM LABORER WAGE WORKER	813.	632.	0.7777
418	FARM LABORER UNPAID FAM W	264.	200.	0.7571
419	FARM SERVICE LABOR, SELF	3.	0.	0.0000
420	SERVICE WORKER EX PRI HHD	7103.	10288.	1.4483
421	CLEANING SERVICE WORKER	2055.	2807.	1.3661
422	CHAMBERMAID EX PRV HHD	106.	266.	2.4947
423	CLEANERS $ CHARWOMEN	574.	767.	1.3372
424	JANITOR AND SEXTON	1374.	1773.	1.2903
425	FOOD SERVICE WORKERS	2224.	3390.	1.5239
426	BARTENDERS	530.	516.	0.9736
427	BUSBOYS	76.	66.	0.8667
428	COOKS EX PR HHD	6.	954.	142.1400
429	DISHWASHERS	104.	188.	1.8164
430	FOOD COUNTER $ FOUNTAIN	140.	92.	0.6570
431	WAITERS	1133.	1156.	1.0203
432	FOOD SERVICE WRKR NEC	232.	415.	1.7836
433	HEALTH SERVICE WORKERS	1101.	1729.	1.5702
434	DENTAL ASSISTANTS	39.	52.	1.3427
435	HEALTH AIDES EX NURSEIN	38.	195.	5.1089
436	HEALTH TRAINEES	118.	26.	0.2272
437	LAY MIDWIFE	5.	0.	0.0000
438	NURSING AIDE ORDERLY	579.	963.	1.6627
439	PRACTICAL NURSES	320.	491.	1.5319
440	PERSONAL SERVICE WORKERS	1086.	1701.	1.5662

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN JOHNSTOWN

		1960	1970	1960-70
441	AIRLINE STEWARDESS	11.	4.	0.3733
442	ATTENDANT, RECREAT $ AM	128.	58.	0.4535
443	ATTENDANT, PERS SRV NEC	82.	42.	0.5131
444	BAGGAGE PORTER $ BELLHD	12.	4.	0.3278
445	BARBERS	230.	239.	1.0404
446	BOADING $ LODGING HSEKP	4.	5.	1.0502
447	BOOTBLACKS	11.	0.	0.0000
448	CHILD CARE EX PR HHD	31.	691.	22.0757
449	ELEVATOR OPERATORS	105.	36.	0.3430
450	HAIRDRESSER $ COSMETOL	343.	470.	1.3688
451	PERSONAL SVC APPRENTICE	4.	0.	0.1037
452	HOUSEKEEPER EX PR HHD	117.	132.	1.1355
453	SCHOOL MONITORS	1.	5.	3.2629
454	USHER, RECREAT $ AMUS	0.	5.	5.1876
455	WELFARE SVC AIDES	0.	6.	10.3791
456	PROTECTIVE SERVICE WORKER	636.	659.	1.0368
457	CROSSING GUARD $ BRIDGE	10.	10.	0.9653
458	FIREMEN, FIREPROTECTION	83.	121.	1.4488
459	GUARD $ WATCHMEN	280.	248.	0.8863
460	MARSHAL $ CONSTABLE	12.	10.	0.8561
461	POLICEMEN $ DETECTIVES	231.	253.	1.0928
462	SHERIFFS $ BALIFFS	17.	15.	0.9064
463	PRIVATE HOUSE WORKERS	1387.	658.	0.4747
464	CHILD CARE WORKER PRV HHD	285.	98.	0.3447
465	COOKS PRV HHD	30.	3.	0.1007
466	HOUSEKEEPER PRV HHD	118.	81.	0.6817
467	LAUNDRESS PRV HHD	31.	6.	0.1934
468	MAID $ SERVANT PRV HHD	920.	469.	0.5104
469	OCCUPATION NOT REPORTED	2335.	3710.	1.5886

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN LANCASTER

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL OCC	116367.	143247.	1.2309
2	PROF TECH AND KINDRED	9999.	16304.	1.6304
3	ACCOUNTANTS	550.	885.	1.6100
4	ARCHITECTS	35.	39.	1.1315
5	COMPUTER SPECIALISTS	18.	309.	16.5749
6	COMPUTER PROGRAMMERS	12.	172.	13.5365
7	COMP SYSTEMS ANALYSTS	5.	123.	23.6234
8	COMPUTER SPEC. NEC	0.	13.	18.9097
9	ENGINEERS	1119.	1572.	1.4053
10	AERONAUT AND ASTRON ENG	0.	0.	0.0000
11	CHEMICAL ENGINEERS	67.	58.	0.8678
12	CIVIL ENGINEERS	111.	107.	0.9622
13	ELECTR AND ELECTRO ENG	272.	387.	1.4211
14	INDUSTRIAL ENGINEERS	263.	373.	1.4171
15	MECHANICAL ENGINEERS	213.	274.	1.2890
16	METALLUR AND MATER ENG	17.	29.	1.6950
17	MINING ENGINEERS	1.	0.	0.0000
18	PETORLEUM ENGINEERS	3.	0.	0.0000
19	SALES ENGINEERS	35.	50.	1.4208
20	ENGINEERS, NEC	133.	291.	2.1859
21	FARM MANAGEMENT ADVISORS	0.	10.	10.5120
22	FORESTOR $ CONSRVATIONIST	14.	0.	0.0000
23	HOME MANAGEMENT ADVISORS	4.	0.	0.0000
24	LAWYERS AND JUDGES	176.	178.	1.0108
25	JUDGES	8.	14.	1.7884
26	LAWYERS	168.	163.	0.9728
27	LIBRARIANS ARCHIV CURATOR	90.	261.	2.8943
28	LIBRARIANS	88.	249.	2.8014
29	ARCHIVISTS AND CURATORS	1.	12.	8.3802
30	MATHEMATICAL SPECIALISTS	19.	30.	1.5944
31	ACTUARIES	0.	5.	6.8981
32	MATHEMATICIANS	4.	8.	2.0707
33	STATISTICIANS	14.	16.	1.1762
34	LIFE $ PHYSICAL SCIENT.	274.	331.	1.2060
35	AGRICULTURAL SCIENTISTS	23.	6.	0.2690
36	ATMOSPHERIC $ SPACE SCI	4.	0.	0.0000
37	BIOLOGICAL SCIENTISTS	8.	39.	4.7663
38	CHEMISTS	200.	256.	1.2769
39	GEOLOGISTS	0.	0.	0.0000
40	MARINE SCIENTISTS	0.	0.	0.0000
41	PHYSICISTS AND ASTRONOM	29.	29.	0.9996
42	LIFE AND PHYS SCIEN NEC	8.	0.	0.0000
43	OPERATIONS $ SYST RESEAR	38.	201.	5.2095
44	PERSONNEL $ LABOR REL WOK	145.	522.	3.5967
45	PHYSICIANS,DENTISTS $ REL	663.	753.	1.1369
46	CHIROPRACTORS	41.	25.	0.6065
47	DENTISTS	132.	192.	1.4566
48	OPTOMETRISTS	25.	24.	0.9306
49	PHARMACISTS	51.	98.	1.8997
50	PHYSICIANS& MED $ OSTEO	363.	385.	1.0630
51	PODIATRISTS	8.	0.	0.0000
52	VETERINARIANS	40.	27.	0.6830
53	HEALTH PRACTITIONERS NE	0.	0.	0.0000
54	NURSES, DIETITIANS $ THER	1260.	1765.	1.4003
55	DIETITIANS	24.	35.	1.4357

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN LANCASTER

		1960	1970	1960-70
56	REGISTERED NURSES	1196.	1637.	1.3683
57	THERAPISTS	39.	92.	2.3544
58	HEALTH TECHNOLOG & TECHIC	167.	312.	1.8639
59	CLIN LAB TECHNO & TECHN	70.	148.	2.1129
60	DENTAL HYGIENISTS	7.	25.	3.5337
61	HEALTH RECORD TECH	10.	6.	0.5964
62	RADIOLOGIC TECH	47.	59.	1.2510
63	THERAPY ASSISTANTS	0.	0.	0.0000
64	HEALTH TECH, NEC	30.	72.	2.3447
65	RELIGIOUS WORKERS	404.	480.	1.1862
66	CLERGYMEN	307.	457.	1.4877
67	RELIGIOUS WORKERS, NEC	97.	23.	0.2369
68	SOCIAL SCIENTISTS	71.	111.	1.5650
69	ECONOMISTS	55.	70.	1.2699
70	POLITICAL SCIENTISTS	0.	0.	0.0000
71	PSYCHOLOGISTS	9.	25.	2.7654
72	SOCIOLOGISTS	0.	0.	0.0000
73	URBAN AND REG PLANNERS	1.	10.	6.9840
74	SOCIAL SCIENTISTS, NEC	5.	5.	1.0249
75	SOCIAL AND REGR WORKERS	135.	376.	2.7736
76	SOCIAL WORKERS	100.	290.	2.8924
77	RECREATION WORKERS	35.	86.	2.4365
78	TEACHERS, COLLEGE & UNIV	207.	776.	3.7402
79	AGRICULTURE TEACHERS	4.	15.	3.0827
80	ATMOS, EARTH, MAR & SPA	0.	18.	26.3389
81	BIOLOGY TEACHERS	8.	28.	3.4149
82	CHEMISTRY TEACHERS	9.	14.	1.5856
83	PHYSICS TEACHERS	11.	30.	2.7162
84	ENGINEERING TEACHERS	11.	4.	0.3607
85	MATHEMATICS TEACHERS	12.	43.	3.5658
86	HEALTH SPECIALT TEACHER	5.	43.	8.5686
87	PSYCHOLOGY TEACHERS	1.	58.	41.3388
88	BUS. & COMMERCE TEACHER	6.	16.	2.7035
89	ECONOMICS TEACHERS	3.	11.	2.9373
90	HISTORY TEACHERS	9.	57.	5.7902
91	SOCIOLOGY TEACHERS	0.	31.	44.6657
92	SOCIAL SC TEACHERS NEC	3.	44.	12.9700
93	ART, DRAMA & MUSIC TEAC	19.	43.	2.2470
94	COACHES & PHYSICAL ED	8.	26.	3.1900
95	EDUCATION TEACHERS	6.	10.	1.7299
96	ENGLISH TEACHERS	19.	42.	2.1294
97	FOREIGN LANG TEACHERS	6.	38.	6.0735
98	HOME ECONOMICS TEACHERS	0.	2.	2.8575
99	LAW TEACHERS	0.	3.	5.1929
100	THEOLOGY TEACHERS	1.	14.	9.2748
101	TRADE, IND & TECH TEACH	0.	4.	5.8207
102	MISCELL. TEACHERS, COLL	5.	26.	4.6357
103	TEACHERS, CC & UNIV NEC	49.	145.	2.9124
104	TEACHERS, EX CC & UNIV	2621.	4603.	1.7561
105	ADULT EDUCATION TEACHER	50.	33.	0.6661
106	ELEMENTARY SCH TEACHERS	1398.	2195.	1.5702
107	PREKIND & KINDERG TEACH	98.	188.	1.9069
108	SECONDARY SCH TEACHERS	866.	1810.	2.0868
109	TEACHERS, NEC	185.	376.	2.0286
110	ENGN & SC TECHNICIANS	1102.	1562.	1.4172

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN LANCASTER

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	100.	109.	1.0847
112	CHEMICAL TECHNICIANS	127.	38.	0.3033
113	DRAFTMEN	263.	479.	1.8187
114	ELEC $ ELECTRON ENG TEC	242.	364.	1.5006
115	IND ENG TECHNICIANS	41.	35.	0.8542
116	MECHNICAL ENG TECH	29.	6.	0.2131
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	31.	53.	1.6934
119	ENG $ SC TECH. NEC	264.	475.	1.7963
120	TECHN. EX HEAL ENG $ SC	51.	87.	1.7000
121	AIRPLANE PILOTS	16.	21.	1.3519
122	AIR TRAFFIC CONTROLLERS	1.	5.	3.0500
123	EMBALMERS	15.	5.	0.3453
124	FLIGHT ENGINEERS	3.	9.	3.1276
125	RADIO OPERATORS	2.	5.	2.2348
126	TOOL PROGRAMMER, NUM CO	4.	5.	1.1429
127	TECHNICIANS NEC	8.	34.	4.3040
128	VOCATION AND ED COUNSELOR	46.	70.	1.5273
129	WRITER, ARTIST $ ENTERTNR	658.	976.	1.4622
130	ACTORS	6.	0.	0.0000
131	ATHLETES $ KINDRED WORKER	21.	55.	2.5412
132	AUTHORS	16.	16.	1.0334
133	DANCERS	4.	0.	0.0000
134	DESIGNERS	100.	167.	1.6787
135	EDITORS AND REPORTERS	167.	205.	1.2267
136	MUSICIANS $ COMPOSERS	103.	117.	1.1367
137	PAINTERS AND SCULPTORS	91.	108.	1.1768
138	PHOTOGRAPHERS	68.	131.	1.9241
139	PUB REL MEN $ PUB WRITR	36.	76.	2.0987
140	RADIO $ TV ANNOUNCERS	26.	20.	0.7990
141	WRITER ARTIST $ ENT NEC	15.	75.	4.8513
142	RESEARCH WORKERS NOT SPEC	121.	81.	0.6719
143	MANAGER $ ADM, EXC FARM	7727.	8484.	1.0978
144	ASSESSOR CONTR $ TREAS	34.	9.	0.2778
145	BANK OFFICER $ FIN MANG	34.	431.	12.3402
146	BUYER $ SHIPPER, FARM	105.	73.	0.6937
147	BUYER, WHOL $ RET TRADE	153.	346.	2.2547
148	CREDIT MEN	85.	53.	0.6278
149	FUNERAL DIRECTORS	61.	67.	1.0661
150	HEALTH ADMINISTRATORS	11.	196.	17.3284
151	CONSTRUCTION INSPECTORS	29.	15.	0.5309
152	INSPECTOR, EXC CONSTRUC	95.	83.	0.8757
153	MANAGER $ SUPERINT, BLD	11.	58.	5.2151
154	OFFICE MANAGERS NEC	29.	33.	1.1231
155	OFFICER PILOT PURS SHIP	7.	5.	0.7151
156	OFFIC $ ADM, PUB AD NEC	203.	169.	0.8296
157	OFF OF LODGE SO $ UNION	32.	52.	1.6198
158	POSTMASTER $ MAIL SUPER	84.	82.	0.9794
159	PURCH AGT $ BUYER NEC	151.	312.	2.0614
160	RAILROAD CONDUCTORS	41.	34.	0.8378
161	RESTAUR CAFET $ BAR MAN	380.	427.	1.1228
162	SALES MANAGERS, RET TRD	169.	225.	1.3330
163	SALES MANAGERS, EXC RET	98.	310.	3.1630
164	SCHOOL ADM, COLLEGE	11.	46.	4.0226
165	SCHOOL ADM, EL $ SECOND	161.	254.	1.5768

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN LANCASTER

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	5732.	5292.	0.9058
167	SALES WORKERS	8142.	8859.	1.0880
168	ADVERTISING AGT $ SALES	72.	56.	0.7814
169	AUCTIONEERS	41.	30.	0.7317
170	DEMONSTRATORS	38.	115.	3.0045
171	HUCKSTERS $ PEDDLERS	63.	201.	3.1706
172	INS AGT BRKR UNDERWRTRS	467.	601.	1.2870
173	NEWSBOYS	351.	80.	0.2295
174	REAL EST AGT $ BROKERS	179.	287.	1.6043
175	STOCK $ BOND SALESMEN	37.	76.	2.0324
176	SALES REPRSTTV, MFG IND	846.	707.	0.8354
177	SALES REPRSTTIV, WHO TR	903.	1020.	1.1302
178	SALES CLERKS, RET TRADE	3925.	4501.	1.1467
179	SALESMEN, RETAIL TRADE	842.	906.	1.0769
180	SALESMEN OF SVC $ CONST	373.	272.	0.7315
181	CLERICAL $ KIND WORKERS	12692.	18782.	1.4798
182	BANK TELLERS	233.	401.	1.7179
183	BILLING CLERKS	64.	317.	4.8983
184	BOOKKEEPERS	1178.	2345.	1.9912
185	CASHIERS	563.	1199.	2.1289
186	CLERICAL ASST, SOC WELF	0.	4.	4.2038
187	CLERICAL SUPERV, NEC	80.	117.	1.4690
188	COLLECTOR, BILL $ ACCT	30.	37.	1.2396
189	COUNTER CLERK, EX FOOD	181.	362.	2.0005
190	DISPATCHER $ STARTERS	68.	98.	1.4486
191	ENUMERATOR $ INTERVIEWR	169.	25.	0.1483
192	ESTIMATOR $ INV NEC	232.	226.	0.9752
193	EXPEDITER $ PROD CONTRL	208.	432.	2.0750
194	FILE CLERKS	130.	390.	3.0007
195	INSUR ADJUSTER, EXAM	47.	86.	1.8146
196	LIBRARY ATTENDANT	64.	178.	2.7638
197	MAIL CARRIER, POST OFF	177.	345.	1.9460
198	MAIL HANDLER, EX POST	92.	202.	2.1859
199	MESSENGER $ OFF BOY	56.	64.	1.1449
200	METER READER, UTILITIES	55.	20.	0.3803
201	OFFICE MACHINE OPERATORS	264.	680.	2.5710
202	BOOKKPNG $ BILL MACH OP	41.	97.	2.3549
203	CALCULATING MACH OP	26.	11.	0.4343
204	COMPUTER $ PERIPH EQUIP	1.	116.	67.9286
205	DUPLICATING MACH OP	13.	33.	2.4140
206	KEYPUNCH OPERATORS	136.	336.	2.4640
207	TABULATING MACH OP	27.	9.	0.3415
208	OFFICE MACH OP, NEC	16.	74.	4.5165
209	PAYROLL $ TIMEKPNG CLERKS	233.	433.	1.8578
210	POSTAL CLERKS	248.	378.	1.5256
211	PROOFREADERS	24.	122.	5.0222
212	REAL ESTATE APPRAISERS	17.	28.	1.6509
213	RECEPTIONISTS	195.	415.	2.1268
214	SECRETARIES	2216.	4280.	1.9309
215	SECRETARIES, LEGAL	52.	107.	2.0575
216	SECRETARIES, MEDICAL	52.	150.	2.8832
217	SECRETARIES, NEC	2112.	4023.	1.9043
218	SHIPPING $ RECEIV CLERKS	743.	982.	1.3206
219	STATISTICAL CLERKS	208.	291.	1.4021
220	STENOGRAPHERS	339.	189.	0.5566

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN LANCASTER

		1960	1970	1960-70
221	STOCK CLERKS & STOREKEEPE	556.	602.	1.4374
222	TEACHER AIDES, EX SCHL MO	23.	151.	6.3533
223	TELEGRAPH MESSENGERS	0.	1.	1.9845
224	TELEGRAPH OPERATORS	12.	9.	0.7769
225	TELEPHONE OPERATORS	427.	443.	1.0375
226	TICKET, STATION & EXP AGT	71.	33.	0.4716
227	TYPISTS	652.	1464.	2.2459
228	WEIGHERS	66.	99.	1.5106
229	MISCELLANEOUS CLERICAL	462.	521.	1.1280
230	NOT SPECIFIED CLERIC WORK	2293.	595.	0.2594
231	CRAFTMEN AND KINDRED WRK	17660.	22030.	1.2474
232	AUTO ACCESS INSTALLERS	16.	5.	0.3241
233	BAKERS	207.	272.	1.3136
234	BLACKSMITHS	36.	74.	2.0371
235	BOILERMAKERS	12.	26.	2.0839
236	BOOKBINDERS	73.	119.	1.6265
237	BRICKMASON & STONEMASON	498.	630.	1.2655
238	BRICK & STONEMASON APPAR	0.	16.	16.1624
239	BULLDOZER OPERATORS	142.	113.	0.7936
240	CABINETMAKERS	156.	266.	1.7058
241	CARPENTERS	1778.	2247.	1.2639
242	CARPENTER APPRENTICES	4.	34.	8.4609
243	CARPET INSTALLERS	30.	123.	4.0325
244	CEMENT & CONCRETE FINSHER	23.	210.	9.0755
245	COMPOSITOR & TYPESETTER	567.	407.	0.7185
246	PRINT APPRENT, EXC PRESS	48.	16.	0.3492
247	CRANEMEN DERRICKMEN HOIST	183.	281.	1.5312
248	DECORATOR & WINDOW DRESSE	112.	130.	1.1585
249	DENTAL LAB TECHNICIANS	17.	25.	1.4209
250	ELECTRICIANS	606.	868.	1.4328
251	ELECTRICIAN APPRENTICES	4.	37.	9.1783
252	ELEC POWER LINE & CABLEMN	115.	166.	1.4419
253	ELECTRO & STEREOTYPERS	12.	4.	0.3455
254	ENGRAVERS, EXC PHOTOGRAVR	24.	37.	1.5540
255	EXCAVATING GRADING OPERTR	229.	362.	1.5769
256	FLOOR LAYER EXC TILE SETR	42.	51.	1.2164
257	FOREMEN NEC	2546.	3444.	1.3526
258	FOREMEN AND HAMMERMEN	5.	19.	3.6377
259	FURNITURE & WOOD FINISHER	44.	45.	1.0160
260	FURRIERS	9.	0.	0.0000
261	GLAZIERS	7.	18.	2.4639
262	HEAT TREATER ANNEALER	48.	29.	0.6010
263	INSPECTOR, LOG & LUMBER	1.	0.	0.0000
264	INSPECTORS, NEC	181.	149.	0.8225
265	JEWELERS AND WATCHMAKERS	49.	196.	3.9830
266	JOB & DIE SETTER, METAL	233.	306.	1.3102
267	LOCOMOTIVE ENGINEERS	44.	45.	1.0222
268	LOCOMOTIVE FIREMEN	40.	5.	0.1298
269	MACHINISTS	918.	718.	0.7824
270	MACHINIST APPRENTICES	25.	30.	1.2222
271	MECHANICS AND REPAIRMEN	3809.	4718.	1.2386
272	A,RCON HEAT & REFRGRTR	82.	269.	3.2875
273	AIRCRAFT	163.	58.	0.3599
274	AUTO BODY REPAIRMEN	147.	225.	1.5266
275	AUTO MECHANICS	1141.	1781.	1.5610

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN LANCASTER

		1960	1970	1960-70
276	AUTO MECHANIC APPR	4.	7.	1.7602
277	DATA PROCESS MACH REPR	0.	16.	16.7924
278	FARM IMPLEMENT	72.	149.	2.0690
279	HEAVY EQUIP MECHANICS	489.	1299.	2.6545
280	HOUSEHOLD APPL $ ACC	154.	157.	1.0160
281	LOOM FIXERS	67.	48.	0.7117
282	OFFICE MACHINE	47.	59.	1.2712
283	RADIO AND TV	136.	171.	1.2498
284	RAILROAD AND CAR SHOP	72.	40.	0.5636
285	MECHANIC EX AUTO APPR	5.	12.	2.5096
286	MISCELL MECHAN $ REPAIR	311.	305.	0.9815
287	NOT SPEC MECH $ REPAIR	914.	115.	0.1262
288	MILLER GRAIN FLOUR $ FEED	91.	29.	0.3219
289	MILLWRIGHTS	76.	120.	1.5810
290	MOLDERS, METAL	462.	531.	1.1481
291	MOLDER APPRENTICES	0.	8.	8.0876
292	MOTION PIC PROJECTIONISTS	23.	22.	0.9397
293	OPTICIAN $ LENS GRINDER	12.	33.	2.7504
294	PRINTER, CONST $ MAINTENC	669.	718.	1.0723
295	PAINTER APPRENTICES	0.	2.	2.8840
296	PAPERHANGERS	52.	29.	0.5586
297	PATTERN $ MODEL MAKER	97.	121.	1.2524
298	PHOTOENGRAVER $ LITHOGRPH	44.	70.	1.5692
299	PIANO & ORGAN TUNER $ REP	12.	11.	0.9497
300	PLASTERERS	209.	133.	0.6379
301	PLASTERER APPRENTICES	0.	1.	1.8953
302	PLUMBER $ PIPE FITTER	612.	724.	1.1838
303	PLUMBER $ PIPE FIT APPR	17.	30.	1.8015
304	POWER STATION OPERATORS	75.	82.	1.0909
305	PRESSMEN $ PLATE PRINTER	201.	550.	2.7261
306	PRESSMAN APPRENTICES	9.	8.	0.9808
307	ROLLER $ FINISHER, METAL	12.	81.	6.6793
308	ROOFER AND SLATER	92.	116.	1.2555
309	SHEETMETAL WORKER $ TINSM	166.	261.	1.5680
310	SHEETMETAL APPRENTICES	0.	10.	10.9104
311	SHIPFITTERS	4.	9.	2.3333
312	SHOE REPAIRMEN	48.	204.	4.1793
313	SIGN PAINTERS $ LETTERER	53.	24.	0.4530
314	STATIONARY ENGINEERS	345.	230.	0.6691
315	STONE CUTTER $ CARVER	1.	5.	3.4395
316	STRUCTURAL METAL DRAFTMEN	53.	77.	1.4419
317	TAILORS	188.	168.	0.8947
318	TELEPHONE INST $ REPAIRMN	227.	222.	0.9796
319	TELEPHONE LINEMEN $SPLICR	62.	78.	1.2589
320	TILE SETTER	117.	49.	0.4210
321	TOOL AND DIE MAKERS	432.	579.	1.3401
322	TOOL AND DIE MAKER APPR	14.	32.	2.2572
323	UPHOLSTERERS	98.	129.	1.3161
324	SPECIFIED CRAFT APPR, NEC	27.	26.	0.9545
325	NOT SPEC APPRENTICES	12.	6.	0.5361
326	DRAFTMEN $ KIND WRKR NEC	123.	223.	1.8096
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	24290.	28264.	1.1635
329	ASBESTOS $ INSUL WORKERS	12.	29.	2.4201
330	ASSEMBLERS	1772.	2509.	1.4156

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN LANCASTER

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	0.	15.	15.7416
332	BOTTLING $ CANNING OPERT	140.	57.	0.3942
333	CHAINMEN RODMEN $ AXMEN	12.	15.	1.2946
334	CHECKER EXAMINER INS,MFG	1585.	2835.	1.7885
335	CLOTHING IRONER $ PRESSER	368.	377.	1.0234
336	CUTTING OPERATIVE NEC	1154.	469.	0.4070
337	DRESSMAKER $SEAMSTRESS	222.	174.	0.7822
338	DRILLERS, EARTH	73.	53.	0.7276
339	DRY WALL INSTALLER $ LATH	92.	54.	0.5889
340	DYERS	8.	13.	1.6844
341	FILER POLISHER SANDER	364.	225.	0.6186
342	FURNACEMEN SMELTERMEN	132.	255.	1.9309
343	GARAGE WORKERS $ GAS STAT	497.	582.	1.1712
344	GRADER $SORTER, MFG	79.	99.	1.2526
345	PRODUCE GRADER $ PACKER	72.	82.	1.1404
346	HEATER, METAL	4.	10.	2.5908
347	LAUNDRY $ DRY CLNG OP NEC	161.	217.	1.3455
348	MEAT CUTTER $ BUTCHER	350.	362.	1.0340
349	MEAT CUTTER $ BUTCHER MFG	210.	116.	0.5530
350	MEAT WRAPPER RETAIL TRADE	112.	58.	0.5229
351	METAL PLATERS	74.	107.	1.4297
352	MILLINERS	4.	0.	0.0000
353	MINE OPERATIVES NEC	175.	203.	1.1576
354	MIXING OPERATIVES	146.	281.	1.9204
355	OILER AND GREASER, EX AUT	61.	90.	1.4607
356	PACKER $ WRAPPER EX MEAT	1279.	1924.	1.5045
357	PAINTER, MFG ARTICLES	262.	[illegible]	1.0798
358	PHOTOG PROCESS WORKERS	68.	41.	0.6091
359	PRECISION MACHINE OPERATV	664.	1333.	2.0053
360	DRILL PRESS OPERATIVES	149.	191.	1.2807
361	GRINDING MACHINE OPERTV	189.	461.	2.4306
362	LATHE $ LILLING MACH OP	217.	422.	1.9431
363	PRECISION MACH OP NEC	107.	257.	2.3902
364	PUNCH $ STAMPING PRESS OP	424.	691.	1.6283
365	RIVETER AND FASTNERS	66.	114.	1.7277
366	SAILORS AND DECKHANDLERS	4.	5.	1.2870
367	SAWYERS	74.	155.	2.0821
368	SEWERS AND STICHERS	4154.	4476.	1.0776
369	SHOEMAKING MACH OPRTV	357.	748.	2.0957
370	SOLDERERS	200.	22.	0.1097
371	STATIONARY FIREMEN	236.	156.	0.6607
372	TEXTILE OPERATIVES	1334.	685.	0.5139
373	CARDING LAPPING OP	105.	17.	0.1667
374	KNITTING LOOPER TOPPER	154.	134.	0.8673
375	SPINNER TWISTER $ WINDE	368.	135.	0.3676
376	WEAVERS	181.	104.	0.5788
377	TEXTILE OP NEC	525.	293.	0.5594
378	WELDERS $ FLAMECUTTERS	694.	1150.	1.6578
379	WINDING OP NEC	130.	73.	0.5618
380	MACHINE OP, MISC SPECIFD	1891.	3540.	1.8717
381	MACHINE OP NOT SPECIFIED	1596.	1214.	0.7609
382	MISCELL OPERATIVES	2039.	1588.	0.7788
383	NOT SPECIFIED OPERATIVES	910.	754.	0.8284
384	TRANSPORT EQUIPMENT OPERT	4315.	6200.	1.4365
385	BOATMEN AND CANALMEN	3.	0.	0.0000

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN LANCASTER

		1960	1970	1960-70
386	BUS DRIVERS	158.	216.	1.3614
387	CONDUCTOR $ MOTORMEN	0.	5.	5.2474
388	DELIVERYMEN $ ROUTEMEN	808.	1679.	2.0778
389	FORK LIFT $ TOW MOTOR OP	262.	813.	3.0956
390	MOTORMEN MINE FACTORY ETC	4.	11.	2.8499
391	PARKING ATTENDANTS	37.	22.	0.5892
392	RAILROAD BRAKEMEN	59.	29.	0.4919
393	RIALROAD SWITCHMEN	33.	19.	0.5960
394	TAXICAB DRIVERS $ CHAUFFR	85.	139.	1.6253
395	TRUCK DRIVERS	2861.	3264.	1.1408
396	LABORERS, EX FARM	5903.	5926.	1.0040
397	ANIMAL CARETAKER EX FARM	61.	124.	2.0082
398	CARPENTERS HELPERS	32.	137.	4.2157
399	CONSTRUCT LABOR EXC CARP	1324.	1151.	0.8690
400	FISHERMEN AND OYSTERMEN	10.	10.	0.9789
401	FREIGHT $ MATERIAL HANDLR	801.	1354.	1.6895
402	GARBAGE COLLECTORS	58.	74.	1.2813
403	GARDNERS AND GROUNDKEEPER	332.	389.	1.1697
404	LONGSHOREMEN $ STEVEDORES	0.	0.	0.0000
405	LUMBERMEN RAFTMEN $ WOODHP	45.	10.	0.2327
406	STOCK HANDLERS	684.	824.	1.2036
407	TEAMSTERS	0.	6.	6.2951
408	VEHICLE WASHER $ EQUIP CL	295.	296.	1.0039
409	WAREHOUSEMEN NEC	222.	138.	0.6227
410	MISCELL LABORERS	540.	368.	0.6824
411	NOT SPECIFIED LABORERS	1492.	1039.	0.6967
412	FARMERS AND FARM MANAGERS	6283.	4195.	0.6677
413	FARMERS OWNERS $ TENANTS	6218.	3949.	0.6350
414	FARM MANAGERS	65.	246.	3.7875
415	FARM LABORER $ FOREMEN	3780.	3025.	0.8002
416	FARM FOREMEN	21.	42.	1.9359
417	FARM LABORER WAGE WORKER	2490.	2163.	0.8686
418	FARM LABORER UNPAID FAM W	1250.	819.	0.6552
419	FARM SERVICE LABOR, SELF	17.	0.	0.0000
420	SERVICE WORKER EX PRI HHD	8174.	13955.	1.7071
421	CLEANING SERVICE WORKER	2033.	3592.	1.7663
422	CHAMBERMAID EX PRV HHD	228.	441.	1.9324
423	CLEANERS $ CHARWOMEN	601.	947.	1.5759
424	JANITOR AND SEXTON	1203.	2202.	1.8298
425	FOOD SERVICE WORKERS	2889.	5644.	1.9536
426	BARTENDERS	331.	375.	1.1354
427	BUSBOYS	181.	189.	1.0423
428	COOKS EX PR HHD	14.	1477.	98.6913
429	DISHWASHERS	244.	564.	2.3033
430	FOOD COUNTER $ FOUNTAIN	275.	305.	1.1076
431	WAITERS	1371.	1937.	1.4132
432	FOOD SERVICE WRR NEC	469.	794.	1.6920
433	HEALTH SERVICE WORKERS	1153.	1863.	1.6152
434	DENTAL ASSISTANTS	44.	73.	1.6503
435	HEALTH AIDES EX NURSEIN	44.	101.	2.2854
436	HEALTH TRAINEES	183.	9.	0.0516
437	LAY MIDWIFE	0.	0.	0.0000
438	NURSING AIDE ORDERLY	507.	1009.	1.9894
439	PRACTICAL NURSES	373.	668.	1.7893
440	PERSONAL SERVICE WORKERS	1251.	1836.	1.4670

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN LANCASTER

		1960	1970	1960-70
441	AIRLINE STEWARDESS	15.	5.	0.3487
442	ATTENDANT, RECREAT $ AM	91.	59.	0.6541
443	ATTENDANT, PERS SRV NEC	101.	148.	1.4609
444	BAGGAGE PORTER $ BELLHO	39.	19.	0.5026
445	BARBERS	277.	238.	0.8601
446	BOARDING $ LODGING HSEKP	4.	2.	0.5173
447	BOOTBLACKS	28.	0.	0.0000
448	CHILD CARE EX PR HHD	42.	185.	4.3705
449	ELEVATOR OPERATORS	111.	81.	0.7342
450	HAIRDRESSER $ COSMETOL	413.	769.	1.8615
451	PERSONAL SVC APPRENTICE	4.	0.	0.1770
452	HOUSEKEEPER EX PR HHD	101.	200.	1.9755
453	SCHOOL MONITORS	2.	62.	23.6231
454	USHER, RECREAT $ AMUS	16.	21.	1.2870
455	WELFARE SVC AIDES	1.	40.	29.4846
456	PROTECTIVE SERVICE WORKER	846.	1017.	1.2031
457	CROSSING GUARD $ BRIDGE	28.	51.	1.8376
458	FIREMEN, FIREPROTECTION	113.	98.	0.8700
459	GUARD $ WATCHMEN	482.	581.	1.2050
460	MARSHAL $ CONSTABLE	7.	0.	0.0000
461	POLICEMEN $ DETECTIVES	203.	254.	1.2508
462	SHERIFFS $ BAILIFFS	11.	31.	2.8018
463	PRIVATE HOUSE WORKERS	2779.	1620.	0.5830
464	CHILD CARE WORKER PRV HHD	570.	212.	0.3731
465	COOKS PRV HHD	63.	33.	0.5284
466	HOUSEKEEPER PRV HHD	239.	110.	0.4623
467	LAUNDRESS PRV HHD	63.	35.	0.5600
468	MAID $ SERVANT PRV HHD	1843.	1228.	0.6661
469	OCCUPATION NOT REPORTED	4617.	5598.	1.2124

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PHILADELPHIA

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL OCC	1522465.	1721969.	1.1310
2	PROF TECH AND KINDRED	172536.	253128.	1.4671
3	ACCOUNTANTS	13925.	17442.	1.2525
4	ARCHITECTS	1037.	1596.	1.5384
5	COMPUTER SPECIALISTS	373.	7329.	19.6312
6	COMPUTER PROGRAMMERS	250.	4778.	19.0712
7	COMP SYSTEMS ANALYSTS	101.	2356.	23.2785
8	COMPUTER SPEC. NEC	21.	195.	9.0324
9	ENGINEERS	23853.	31033.	1.3009
10	AERONAUT AND ASTRON ENG	534.	1422.	2.6625
11	CHEMICAL ENGINEERS	1451.	2004.	1.3808
12	CIVIL ENGINEERS	2789.	3125.	1.1205
13	ELECTR AND ELECTRO ENG	5812.	6767.	1.1641
14	INDUSTRIAL ENGINEERS	3347.	4672.	1.3959
15	MECHANICAL ENGINEERS	4799.	5393.	1.1237
16	METALLUR AND MATER ENG	260.	339.	1.3008
17	MINING ENGINEERS	22.	9.	0.4037
18	PETORLEUM ENGINEERS	54.	36.	0.6674
19	SALES ENGINEERS	2561.	2100.	0.8198
20	ENGINEERS, NEC	2219.	5162.	2.3259
21	FARM MANAGEMENT ADVISORS	19.	33.	1.6962
22	FORESTOR $ CONSRVATIONIST	77.	108.	1.4073
23	HOME MANAGEMENT ADVISORS	80.	40.	0.5104
24	LAWYERS AND JUDGES	4967.	5843.	1.1763
25	JUDGES	241.	156.	0.6497
26	LAWYERS	4725.	5686.	1.2032
27	LIBRARIANS ARCHIV CURATOR	1640.	2826.	1.7232
28	LIBRARIANS	1587.	2670.	1.6822
29	ARCHIVISTS AND CURATORS	53.	156.	2.9491
30	MATHEMATICAL SPECIALISTS	681.	899.	1.3198
31	ACTUARIES	84.	228.	2.7040
32	MATHEMATICIANS	203.	119.	0.5869
33	STATISTICIANS	394.	552.	1.4009
34	LIFE $ PHYSICAL SCIENT.	4345.	6067.	1.3962
35	AGRICULTURAL SCIENTISTS	73.	112.	1.5213
36	ATMOSPHERIC $ SPACE SCI	67.	42.	0.6362
37	BIOLOGICAL SCIENTISTS	355.	908.	2.5539
38	CHEMISTS	3269.	4522.	1.3832
39	GEOLOGISTS	47.	42.	0.8797
40	MARINE SCIENTISTS	0.	20.	20.1778
41	PHYSICISTS AND ASTRONOM	458.	372.	0.8135
42	LIFE AND PHYS SCIEN NEC	73.	46.	0.6324
43	OPERATIONS $ SYST RESEAR	713.	2508.	3.5142
44	PERSONNEL $ LABOR REL WOK	2627.	7563.	2.8790
45	PHYSICIANS,DENTISTS $ REL	14330.	15647.	1.0918
46	CHIROPRACTORS	160.	183.	1.1463
47	DENTISTS	2361.	2406.	1.0193
48	OPTOMETRISTS	404.	445.	1.1021
49	PHARMACISTS	2962.	2864.	0.9668
50	PHYSICIANS& MED $ OSTEO	8040.	9132.	1.1357
51	PODIATRISTS	212.	296.	1.3948
52	VETERINARIANS	188.	312.	1.6568
53	HEALTH PRACTITIONERS NE	0.	5.	5.4775
54	NURSES, DIETITIANS $ THER	16885.	22820.	1.3514
55	DIETITIANS	763.	877.	1.1485

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PHILADELPHIA

		1960	1970	1960-70
56	REGISTERED NURSES	15357.	20246.	1.3183
57	THERAPISTS	764.	1696.	2.2185
58	HEALTH TECHNOLOG $ TECHIC	3496.	6630.	1.8964
59	CLIN LAB TECHNO $ TECHN	1623.	3310.	2.0389
60	DENTAL HYGIENISTS	173.	284.	1.6347
61	HEALTH RECORD TECH	188.	233.	1.2405
62	RADIOLOGIC TECH	1088.	1273.	1.1697
63	THERAPY ASSISTANTS	16.	41.	2.5607
64	HEALTH TECH, NEC	405.	1487.	3.6676
65	RELIGIOUS WORKERS	5970.	4214.	0.7059
66	CLERGYMEN	3400.	3457.	1.0167
67	RELIGIOUS WORKERS, NEC	2570.	757.	0.2946
68	SOCIAL SCIENTISTS	1074.	2946.	2.7424
69	ECONOMISTS	658.	1887.	2.8689
70	POLITICAL SCIENTISTS	0.	16.	16.5288
71	PSYCHOLOGISTS	348.	809.	2.3191
72	SOCIOLOGISTS	0.	10.	10.1423
73	URBAN AND REG PLANNERS	26.	198.	7.4856
74	SOCIAL SCIENTISTS, NEC	41.	24.	0.6050
75	SOCIAL AND RECR WORKERS	3111.	6204.	1.9940
76	SOCIAL WORKERS	2522.	5217.	2.0687
77	RECREATION WORKERS	589.	987.	1.6746
78	TEACHERS, COLLEGE $ UNIV	4387.	8838.	2.0145
79	AGRICULTURE TEACHERS	99.	23.	0.2397
80	ATMOS, EARTH, MAR $ SPA	14.	29.	2.0482
81	BIOLOGY TEACHERS	182.	343.	1.8799
82	CHEMISTRY TEACHERS	197.	309.	1.5669
83	PHYSICS TEACHERS	226.	275.	1.2176
84	ENGINEERING TEACHERS	240.	261.	1.0869
85	MATHEMATICS TEACHERS	253.	441.	1.7396
86	HEALTH SPECIALT TEACHER	112.	512.	4.5589
87	PSYCHOLOGY TEACHERS	28.	210.	7.4168
88	BUS. $ COMMERCE TEACHER	140.	197.	1.4098
89	ECONOMICS TEACHERS	84.	223.	2.6398
90	HISTORY TEACHERS	211.	276.	1.3075
91	SOCIOLOGY TEACHERS	14.	113.	8.0136
92	SOCIAL SC TEACHERS NEC	83.	159.	1.9075
93	ART, DRAMA $ MUSIC TEAC	337.	517.	1.5349
94	COACHES $ PHYSICAL ED	151.	315.	2.0868
95	EDUCATION TEACHERS	140.	126.	0.9021
96	ENGLISH TEACHERS	448.	658.	1.4674
97	FOREIGN LANG TEACHERS	153.	456.	2.9683
98	HOME ECONOMICS TEACHERS	0.	33.	33.6912
99	LAW TEACHERS	14.	43.	3.0339
100	THEOLOGY TEACHERS	41.	171.	4.1105
101	TRADE, IND $ TECH TEACH	14.	48.	3.4009
102	MISCELL. TEACHERS, COLL	126.	315.	2.4933
103	TEACHERS, CC $ UNIV NEC	1070.	2774.	2.5918
104	TEACHERS, EX CC $ UNIV	32529.	57062.	1.7541
105	ADULT EDUCATION TEACHER	774.	729.	0.9426
106	ELEMENTARY SCH TEACHERS	16794.	28385.	1.6901
107	PREKIND $ KINDERG TEACH	1274.	2602.	2.0424
108	SECONDARY SCH TEACHERS	10965.	21981.	2.0046
109	TEACHERS, NEC	2721.	3364.	1.2361
110	ENGN $ SC TECHNICIANS	18653.	21320.	1.1429

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PHILADELPHIA

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	992.	673.	0.6787
112	CHEMICAL TECHNICIANS	1712.	2339.	1.3662
113	DRAFTMEN	7371.	8255.	1.1198
114	ELEC $ ELECTRON ENG TEC	3589.	4039.	1.1254
115	IND ENG TECHNICIANS	642.	611.	0.9524
116	MECHNICAL ENG TECH	410.	224.	0.5460
117	MATHEMATICAL TECHNICIAN	0.	4.	4.5140
118	SURVEYORS	604.	813.	1.3472
119	ENG $ SC TECH, NEC	3330.	4358.	1.3085
120	TECHN, EX HEAL ENG $ SC	942.	2028.	2.1529
121	AIRPLANE PILOTS	243.	520.	2.1360
122	AIR TRAFFIC CONTROLLERS	123.	114.	0.9252
123	EMBALMERS	185.	27.	0.1479
124	FLIGHT ENGINEERS	16.	90.	5.3261
125	RADIO OPERATORS	209.	558.	2.6651
126	TOOL PROGRAMMER, NUM CO	67.	91.	1.3612
127	TECHNICIANS NEC	95.	626.	6.5642
128	VOCATION AND ED COUNSELOR	972.	2213.	2.2774
129	WRITER, ARTIST $ ENTERTNR	13434.	17309.	1.2884
130	ACTORS	88.	105.	1.1886
131	ATHLETES $ KINDRED WORKER	363.	910.	2.5041
132	AUTHORS	602.	413.	0.6868
133	DANCERS	78.	85.	1.0923
134	DESIGNERS	2740.	3051.	1.1135
135	EDITORS AND REPORTERS	2189.	3306.	1.5102
136	MUSICIANS $ COMPOSERS	1686.	1868.	1.1080
137	PAINTERS AND SCULPTORS	2598.	2690.	1.0353
138	PHOTOGRAPHERS	1314.	1496.	1.1387
139	PUB REL MEN $ PUB WRITR	766.	1654.	2.1574
140	RADIO $ TV ANNOUNCERS	489.	236.	0.4837
141	WRITER ARTIST $ ENT NEC	516.	1491.	2.8849
142	RESEARCH WORKERS NOT SPEC	2404.	2595.	1.0795
143	MANAGER $ ADM, EXC FARM	120633.	124409.	1.0313
144	ASSESSOR CONTR $ TREAS	513.	383.	0.7465
145	BANK OFFICER $ FIN MANG	565.	6633.	11.7337
146	BUYER $ SHIPPER, FARM	473.	38.	0.0808
147	BUYER, WHOL $ RET TRADE	2504.	4624.	1.8467
148	CREDIT MEN	1105.	1382.	1.2507
149	FUNERAL DIRECTORS	641.	847.	1.3215
150	HEALTH ADMINISTRATORS	162.	1770.	10.9010
151	CONSTRUCTION INSPECTORS	396.	319.	0.8053
152	INSPECTOR, EXC CONSTRUC	1327.	1785.	1.3452
153	MANAGER $ SUPERINT, BLD	698.	1162.	1.6649
154	OFFICE MANAGERS NEC	473.	452.	0.9553
155	OFFICER PILOT PURS SHIP	526.	430.	0.8160
156	OFFIC $ ADM, PUB AD NEC	3567.	4607.	1.2913
157	OFF OF LODGE SO $ UNION	1102.	1015.	0.9210
158	POSTMASTER $ MAIL SUPER	352.	445.	1.2650
159	PURCH AGT $ BUYER NEC	3143.	4788.	1.5233
160	RAILROAD CONDUCTORS	1176.	1041.	0.8856
161	RESTAUR CAFET $ BAR MAN	5906.	6243.	1.0569
162	SALES MANAGERS, RET TRD	2993.	4502.	1.5043
163	SALES MANAGERS, EXC RET	1629.	6933.	4.2554
164	SCHOOL ADM, COLLEGE	231.	817.	3.5372
165	SCHOOL ADM, EL $ SECOND	1857.	3340.	1.7986

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PHILADELPHIA

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	89285.	70842.	0.7934
167	SALES WORKERS	116838.	122897.	1.0518
168	ADVERTISING AGT $ SALES	642.	1527.	2.3777
169	AUCTIONEERS	90.	63.	0.6938
170	DEMONSTRATORS	642.	469.	0.7302
171	HUCKSTERS $ PEDDLERS	990.	1251.	1.2635
172	INS AGT BRKR UNDERWRTRS	9405.	10764.	1.1445
173	NEWSBOYS	4281.	1200.	0.2802
174	REAL EST AGT $ BROKERS	4069.	4607.	1.1321
175	STOCK $ BOND SALESMEN	1112.	2401.	2.1590
176	SALES REPRSTTV, MFG IND	12432.	12272.	0.9870
177	SALES REPRSTTIV, WHO TR	13462.	15570.	1.1565
178	SALES CLERKS, RET TRADE	51774.	57726.	1.1149
179	SALESMEN, RETAIL TRADE	12375.	9560.	0.7725
180	SALESMEN OF SVC $ CONST	5557.	5483.	0.9865
181	CLERICAL $ KIND WORKERS	257675.	333929.	1.2959
182	BANK TELLERS	2857.	5715.	2.0000
183	BILLING CLERKS	1255.	3304.	2.6311
184	BOOKKEEPERS	19609.	33822.	1.7247
185	CASHIERS	11576.	18970.	1.6386
186	CLERICAL ASST, SOC WELF	0.	0.	0.0000
187	CLERICAL SUPERV, NEC	1635.	2981.	1.8227
188	COLLECTOR, BILL $ ACCT	1138.	1209.	1.0622
189	COUNTER CLERK, EX FOOD	3615.	5171.	1.4302
190	DISPATCHER $ STARTERS	1457.	1751.	1.2017
191	ENUMERATOR $ INTERVIEWR	3293.	1175.	0.3569
192	ESTIMATOR $ INV NEC	4620.	7266.	1.5727
193	EXPEDITER $ PROD CONTRL	4468.	6678.	1.4947
194	FILE CLERKS	5086.	11672.	2.2949
195	INSUR ADJUSTER, EXAM	1484.	2621.	1.7653
196	LIBRARY ATTENDANT	718.	2131.	2.9688
197	MAIL CARRIER, POST OFF	4357.	5667.	1.3005
198	MAIL HANDLER, EX POST	1950.	3742.	1.9183
199	MESSENGER $ OFF BOY	1805.	1364.	0.7559
200	METER READER, UTILITIES	1188.	560.	0.4712
201	OFFICE MACHINE OPERATORS	10734.	16721.	1.5577
202	BOOKKPNG $ BILL MACH OP	1676.	1498.	0.8940
203	CALCULATING MACH OP	1187.	1148.	0.9668
204	COMPUTER $ PERIPH EQUIP	68.	3634.	53.1236
205	DUPLICATING MACH OP	520.	575.	1.1045
206	KEYPUNCH OPERATORS	5583.	8473.	1.5174
207	TABULATING MACH OP	1007.	278.	0.2766
208	OFFICE MACH OP, NEC	689.	1112.	1.6127
209	PAYROLL $ TIMEKPNG CLERKS	3706.	4534.	1.2234
210	POSTAL CLERKS	7236.	8948.	1.2366
211	PROOFREADERS	482.	912.	1.8899
212	REAL ESTATE APPRAISERS	366.	430.	1.1748
213	RECEPTIONISTS	3444.	6178.	1.7934
214	SECRETARIES	41630.	72184.	1.7339
215	SECRETARIES, LEGAL	976.	1805.	1.8477
216	SECRETARIES, MEDICAL	976.	2527.	2.5872
217	SECRETARIES, NEC	39676.	67851.	1.7101
218	SHIPPING $ RECEIV CLERKS	12068.	12571.	1.0416
219	STATISTICAL CLERKS	4066.	7178.	1.7654
220	STENOGRAPHERS	5974.	2740.	0.4587

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PHILADELPHIA

		1960	1970	1960-70
221	STOCK CLERKS $ STOREKEEPE	10167.	12007.	1.1808
222	TEACHER AIDES, EX SCHL MO	515.	2463.	4.7811
223	TELEGRAPH MESSENGERS	130.	42.	0.3243
224	TELEGRAPH OPERATORS	179.	143.	0.7973
225	TELEPHONE OPERATORS	9136.	9874.	1.0807
226	TICKET, STATION $ EXP AGT	1459.	1636.	1.1218
227	TYPISTS	18520.	32334.	1.7459
228	WEIGHERS	1308.	874.	0.6682
229	MISCELLANEOUS CLERICAL	9259.	12577.	1.3582
230	NOT SPECIFIED CLERIC WORK	45168.	13768.	0.3048
231	CRAFTMEN AND KINDRED WRK	217207.	220086.	1.0132
232	AUTO ACCESS INSTALLERS	201.	145.	0.7199
233	BAKERS	4040.	3286.	0.8135
234	BLACKSMITHS	286.	164.	0.5736
235	BOILERMAKERS	792.	1121.	1.4148
236	BOOKBINDERS	1179.	1018.	0.8638
237	BRICKMASON $ STONEMASON	3592.	4001.	1.1138
238	BRICK $ STONEMASON APPAR	16.	102.	6.2062
239	BULLDOZER OPERATORS	1233.	700.	0.5680
240	CABINETMAKERS	1379.	1208.	0.8759
241	CARPENTERS	11867.	14900.	1.2555
242	CARPENTER APPRENTICES	120.	226.	1.8764
243	CARPET INSTALLERS	657.	814.	1.2393
244	CEMENT $ CONCRETE FINSHER	883.	1402.	1.5881
245	COMPOSITOR $ TYPESETTER	6033.	4382.	0.7263
246	PRINT APPRENT, EXC PRESS	306.	182.	0.5960
247	CRANEMEN DERRICKMEN HOIST	3232.	3884.	1.2018
248	DECORATOR $ WINDOW DRESSE	1249.	1353.	1.0838
249	DENTAL LAB TECHNICIANS	358.	762.	2.1265
250	ELECTRICIANS	8442.	10292.	1.2192
251	ELECTRICIAN APPRENTICES	159.	440.	2.7667
252	ELEC POWER LINE $ CABLEMN	1672.	1569.	0.9384
253	ELECTRO $ STEREOTYPERS	411.	158.	0.3839
254	ENGRAVERS, EXC PHOTOGRAVR	485.	231.	0.4778
255	EXCAVATING GRADING OPERTR	1601.	2678.	1.6721
256	FLOOR LAYER EXC TILE SETR	425.	510.	1.2011
257	FOREMEN NEC	29304.	34526.	1.1781
258	FOREMEN AND HAMMERMEN	237.	311.	1.3105
259	FURNITURE $ WOOD FINISHER	512.	410.	0.8009
260	FURRIERS	155.	81.	0.5248
261	GLAZIERS	318.	465.	1.4638
262	HEAT TREATER ANNEALER	590.	567.	0.9615
263	INSPECTOR, LOG $ LUMBER	37.	20.	0.5659
264	INSPECTORS, NEC	2320.	2553.	1.1005
265	JEWELERS AND WATCHMAKERS	758.	658.	0.8688
266	JOB $ DIE SETTER, METAL	980.	1449.	1.4778
267	LOCOMOTIVE ENGINEERS	1023.	780.	0.7622
268	LOCOMOTIVE FIREMEN	508.	120.	0.2377
269	MACHINISTS	15704.	8539.	0.5437
270	MACHINIST APPRENTICES	286.	365.	1.2759
271	MECHANICS AND REPAIRMEN	47941.	51025.	1.0643
272	AIRCON HEAT $ REFRGRTR	1636.	3521.	2.1516
273	AIRCRAFT	898.	1263.	1.4057
274	AUTO BODY REPAIRMEN	1498.	2042.	1.3633
275	AUTO MECHANICS	11650.	17099.	1.4677

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PHILADELPHIA

		1960	1970	1960-70
276	AUTO MECHANIC APPR	19.	68.	3.4696
277	DATA PROCESS MACH REPR	0.	1005.	1005.5072
278	FARM IMPLEMENT	1032.	228.	0.2208
279	HEAVY EQUIP MECHANICS	6915.	12393.	1.7921
280	HOUSEHOLD APPL $ ACC	2226.	2747.	1.2340
281	LOOM FIXERS	444.	175.	0.3939
282	OFFICE MACHINE	662.	1051.	1.5860
283	RADIO AND TV	2138.	2796.	1.3079
284	RAILROAD AND CAR SHOP	1270.	840.	0.6614
285	MECHANIC EX AUTO APPR	44.	165.	3.7505
286	MISCELL MECHAN $ REPAIR	4393.	3975.	0.9049
287	NOT SPEC MECH $ REPAIR	13109.	1649.	0.1258
288	MILLER GRAIN FLOUR $ FEED	53.	16.	0.3074
289	MILLWRITHTS	1111.	1591.	1.4323
290	MOLDERS, METAL	939.	746.	0.7940
291	MOLDER APPRENTICES	17.	11.	0.6332
292	MOTION PIC PROJECTIONISTS	294.	268.	0.9119
293	OPTICIAN $ LENS GRINDER	565.	729.	1.2906
294	PRINTER, CONST $ MAINTENC	7094.	6474.	0.9126
295	PAINTER APPRENTICES	27.	26.	0.9601
296	PAPERHANGERS	1404.	567.	0.4037
297	PATTERN $ MODEL MAKER	1438.	1161.	0.8070
298	PHOTOENGRAVER $ LITHOGRPH	918.	973.	1.0595
299	PIANO $ ORGAN TUNER $ REP	196.	166.	0.8500
300	PLASTERERS	1391.	765.	0.5498
301	PLASTERER APPRENTICES	13.	10.	0.8004
302	PLUMBER $ PIPE FITTER	9288.	10188.	1.0969
303	PLUMBER $ PIPE FIT APPR	246.	435.	1.7681
304	POWER STATION OPERATORS	603.	440.	0.7304
305	PRESSMEN $ PLATE PRINTER	2749.	5390.	1.9609
306	PRESSMAN APPRENTICES	55.	87.	1.5713
307	ROLLER $ FINISHER,METAL	408.	450.	1.1027
308	ROOFER AND SLATER	1591.	1707.	1.0729
309	SHEETMETAL WORKER $ TINSM	4252.	4230.	0.9948
310	SHEETMETAL APPRENTICES	143.	176.	1.2256
311	SHIPFITTERS	356.	544.	1.5274
312	SHOE REPAIRMEN	1341.	612.	0.4568
313	SIGN PAINTERS $ LETTERER	587.	339.	0.5784
314	STATIONARY ENGINEERS	8309.	4198.	0.5052
315	STONE CUTTER $ CARVER	156.	63.	0.4074
316	STRUCTURAL METAL DRAFTMEN	1915.	1613.	0.8423
317	TAILORS	4099.	3042.	0.7422
318	TELEPHONE INST $ REPAIRMN	3280.	5487.	1.6727
319	TELEPHONE LINEMEN $SPLICR	902.	940.	1.0413
320	TILE SETTER	1059.	585.	0.5526
321	TOOL AND DIE MAKERS	5103.	4964.	0.9727
322	TOOL AND DIE MAKER APPR	155.	277.	1.7837
323	UPHOLSTERERS	1301.	816.	0.6273
324	SPECIFIED CRAFT APPR, NEC	272.	263.	0.9665
325	NOT SPEC APPRENTICES	173.	69.	0.3981
326	DRAFTMEN $ KIND WRKR NEC	2075.	2228.	1.0738
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	245168.	222578.	0.9078
329	ASBESTOS $ INSUL WORKERS	549.	573.	1.0440
330	ASSEMBLERS	15783.	19161.	1.2140

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PHILADELPHIA

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	19.	26.	1.3421
332	BOTTLING & CANNING OPERT	1450.	1083.	0.7468
333	CHAINMEN RODMEN & AXMEN	95.	173.	1.8201
334	CHECKER EXAMINER INS,MFG	14528.	16846.	1.1595
335	CLOTHING IRONER & PRESSER	5813.	5765.	0.9917
336	CUTTING OPERATIVE NEC	13255.	5324.	0.4017
337	DRESSMAKER &SEAMSTRESS	2794.	2210.	0.7910
338	DRILLERS, EARTH	557.	351.	0.6304
339	DRY WALL INSTALLER & LATH	1371.	752.	0.5487
340	DYERS	771.	528.	0.6849
341	FILER POLISHER SANDER	3520.	1445.	0.4105
342	FURNACEMEN SMELTERMEN	1333.	1174.	0.8809
343	GARAGE WORKERS & GAS STAT	5247.	6042.	1.1514
344	GRADER &SORTER, MFG	859.	761.	0.8869
345	PRODUCE GRADER & PACKER	764.	188.	0.2472
346	HEATER, METAL	165.	210.	1.2700
347	LAUNDRY & DRY CLNG OP NEC	4092.	3555.	0.8687
348	MEAT CUTTER & BUTCHER	4721.	4940.	1.0463
349	MEAT CUTTER & BUTCHER MFG	2187.	1088.	0.4976
350	MEAT WRAPPER RETAIL TRADE	1157.	1040.	0.8993
351	METAL PLATERS	839.	730.	0.8697
352	MILLINERS	202.	35.	0.1740
353	MINE OPERATIVES NEC	341.	278.	0.8160
354	MIXING OPERATIVES	1648.	1925.	1.1683
355	OILER AND GREASER, EX AUT	929.	803.	0.8641
356	PACKER & WRAPPER EX MEAT	14401.	17894.	1.2425
357	PAINTER, MFG ARTICLES	2636.	2623.	0.9952
358	PHOTOG PROCESS WORKERS	1164.	1536.	1.3200
359	PRECISION MACHINE OPERATV	6912.	10876.	1.5734
360	DRILL PRESS OPERATIVES	1609.	1806.	1.1222
361	GRINDING MACHINE OPERTV	1653.	2851.	1.7248
362	LATHE & LILLING MACH OP	2449.	4652.	1.8990
363	PRECISION MACH OP NEC	1199.	1566.	1.3054
364	PUNCH & STAMPING PRESS OP	4420.	3808.	0.8615
365	RIVETER AND FASTNERS	682.	363.	0.5317
366	SAILORS AND DECKHANDLERS	1002.	633.	0.6324
367	SAWYERS	385.	681.	1.7687
368	SEWERS AND STICHERS	26821.	26613.	0.9922
369	SHOEMAKING MACH OPRTV	3453.	170.	0.0495
370	SOLDERERS	1898.	1205.	0.6348
371	STATIONARY FIREMEN	2096.	2029.	0.9683
372	TEXTILE OPERATIVES	14238.	6961.	0.4888
373	CARDING LAPPING OP	1109.	128.	0.1160
374	KNITTING LOOPER TOPPER	1735.	1274.	0.7345
375	SPINNER TWISTER & WINDE	4129.	1699.	0.4115
376	WEAVERS	2095.	848.	0.4046
377	TEXTILE OP NEC	5169.	3010.	0.5823
378	WELDERS & FLAMECUTTERS	10799.	11575.	1.0718
379	WINDING OP NEC	1296.	1135.	0.8758
380	MACHINE OP, MISC SPECIFD	20128.	24515.	1.2179
381	MACHINE OP NOT SPECIFIED	16801.	11920.	0.7094
382	MISCELL OPERATIVES	21258.	14797.	0.6960
383	NOT SPECIFIED OPERATIVES	9767.	6213.	0.6361
384	TRANSPORT EQUIPMENT OPERT	57804.	57865.	1.0010
385	BOATMEN AND CANALMEN	57.	69.	1.1970

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PHILADELPHIA

		1960	1970	1960-70
386	BUS DRIVERS	4411.	5718.	1.2962
387	CONDUCTOR $ MOTORMEN	1345.	559.	0.4156
388	DELIVERYMEN $ ROUTEMEN	12659.	15452.	1.2206
389	FORK LIFT $ TOW MOTOR OP	2997.	5197.	1.7340
390	MOTORMEN MINE FACTORY ETC	52.	45.	0.8632
391	PARKING ATTENDANTS	406.	751.	1.8467
392	RAILROAD BRAKEMEN	1480.	949.	0.6413
393	RIALROAD SWITCHMEN	471.	466.	0.9881
394	TAXICAB DRIVERS $ CHAUFFR	5180.	3372.	0.6508
395	TRUCK DRIVERS	28739.	25283.	0.8797
396	LABORERS, EX FARM	68504.	57444.	0.8385
397	ANIMAL CARETAKER EX FARM	627.	722.	1.1522
398	CARPENTERS HELPERS	406.	832.	2.0460
399	CONSTRUCT LABOR EXC CARP	14233.	10043.	0.7056
400	FISHERMEN AND OYSTERMEN	89.	72.	0.8038
401	FREIGHT $ MATERIAL HANDLR	8641.	10905.	1.2619
402	GARBAGE COLLECTORS	622.	1492.	2.3981
403	GARDNERS AND GROUNDKEEPER	5197.	4819.	0.9272
404	LONGSHOREMEN $ STEVEDORES	2282.	1525.	0.6684
405	LUMBERMEN RAFTMEN $ WDCHP	277.	66.	0.2403
406	STOCK HANDLERS	8929.	10969.	1.2284
407	TEAMSTERS	13.	20.	1.5005
408	VEHICLE WASHER $ EQUIP CL	3023.	2689.	0.8893
409	WAREHOUSEMEN NEC	3069.	2332.	0.7597
410	MISCELL LABORERS	5754.	3510.	0.6100
411	NOT SPECIFIED LABORERS	15333.	7440.	0.4852
412	FARMERS AND FARM MANAGERS	4424.	3687.	0.8335
413	FARMERS OWNERS $ TENANTS	3723.	3200.	0.8596
414	FARM MANAGERS	701.	487.	0.6947
415	FARM LABORER $ FOREMEN	4324.	4346.	1.0049
416	FARM FOREMEN	53.	142.	2.6597
417	FARM LABORER WAGE WORKER	3875.	3811.	0.9834
418	FARM LABORER UNPAID FAM W	387.	387.	1.0003
419	FARM SERVICE LABOR, SELF	8.	4.	0.5491
420	SERVICE WORKER EX PRI HHD	129491.	162914.	1.2581
421	CLEANING SERVICE WORKER	29227.	36982.	1.2653
422	CHAMBERMAID EX PRV HHD	2971.	3046.	1.0252
423	CLEANERS $ CHARWOMEN	11403.	10091.	0.8849
424	JANITOR AND SEXTON	14852.	23845.	1.6055
425	FOOD SERVICE WORKERS	40984.	55791.	1.3612
426	BARTENDERS	6717.	5551.	0.8264
427	BUSBOYS	2406.	2324.	0.9660
428	COOKS EX PR HHD	145.	12272.	84.1826
429	DISHWASHERS	2844.	3183.	1.1191
430	FOOD COUNTER $ FOUNTAIN	5097.	3396.	0.6662
431	WAITERS	18903.	21349.	1.1294
432	FOOD SERVICE WRKR NEC	4869.	7712.	1.5837
433	HEALTH SERVICE WORKERS	15350.	22137.	1.4421
434	DENTAL ASSISTANTS	635.	1517.	2.3660
435	HEALTH AIDES EX NURSEIN	631.	2030.	3.2136
436	HEALTH TRAINEES	2125.	591.	0.2780
437	LAY MIDWIFE	0.	0.	0.0000
438	NURSING AIDE ORDERLY	7037.	11383.	1.6174
439	PRACTICAL NURSES	4918.	6614.	1.3447
440	PERSONAL SERVICE WORKERS	21940.	21498.	0.9798

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PHILADELPHIA

		1960	1970	1960-70
441	AIRLINE STEWARDESS	247.	118.	0.4789
442	ATTENDANT, RECREAT $ AM	1188.	868.	0.7307
443	ATTENDANT, PERS SRV NEC	1870.	1512.	0.8087
444	BAGGAGE PORTER $ BELLHO	959.	211.	0.2202
445	BARBERS	4355.	3452.	0.7927
446	BOADING $ LODGING HSEKP	139.	46.	0.3329
447	BOOTBLACKS	324.	59.	0.1830
448	CHILD CARE EX PR HHD	753.	2276.	3.0228
449	ELEVATOR OPERATORS	2628.	1169.	0.4449
450	HAIRDRESSER $ COSMETOL	7235.	8935.	1.2348
451	PERSONAL SVC APPRENTICE	45.	8.	0.1945
452	HOUSEKEEPER EX PR HHD	1756.	1728.	0.9843
453	SCHOOL MONITORS	48.	441.	9.0463
454	USHER, RECREAT $ AMUS	373.	299.	0.8019
455	WELFARE SVC AIDES	13.	368.	27.7010
456	PROTECTIVE SERVICE WORKER	21989.	26505.	1.2057
457	CROSSING GUARD $ BRIDGE	1238.	1883.	1.5205
458	FIREMEN, FIREPROTECTION	3394.	3271.	0.9637
459	GUARD $ WATCHMEN	8195.	9350.	1.1410
460	MARSHAL $ CONSTABLE	85.	35.	0.4163
461	POLICEMEN $ DETECTIVES	8810.	11608.	1.3175
462	SHERIFFS $ BALIFFS	264.	355.	1.3419
463	PRIVATE HOUSE WORKERS	41950.	17365.	0.4139
464	CHILD CARE WORKER PRV HHD	8595.	1852.	0.2155
465	COOKS PRV HHD	959.	665.	0.6933
466	HOUSEKEEPER PRV HHD	3611.	1945.	0.5387
467	LAUNDRESS PRV HHD	953.	209.	0.2195
468	MAID $ SERVANT PRV HHD	27830.	12691.	0.4560
469	OCCUPATION NOT REPORTED	85906.	141315.	1.6449

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PITTSBURGH

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL CCC	873209.	972811.	1.1140
2	PROF TECH AND KINDRED	100328.	147349.	1.4686
3	ACCOUNTANTS	7607.	9222.	1.2122
4	ARCHITECTS	495.	582.	1.1756
5	COMPUTER SPECIALISTS	158.	3232.	20.3842
6	COMPUTER PROGRAMMERS	107.	1951.	18.1517
7	COMP SYSTEMS ANALYSTS	44.	1125.	25.5279
8	COMPUTER SPEC. NEC	6.	155.	22.2696
9	ENGINEERS	14098.	20088.	1.4248
10	AERONAUT AND ASTRON ENG	15.	82.	5.2969
11	CHEMICAL ENGINEERS	1023.	1365.	1.3348
12	CIVIL ENGINEERS	2166.	2426.	1.1202
13	ELECTR AND ELECTRO ENG	2771.	4056.	1.4637
14	INDUSTRIAL ENGINEERS	2343.	2882.	1.2297
15	MECHANICAL ENGINEERS	2369.	3004.	1.2679
16	METALLUR AND MATER ENG	783.	1156.	1.4763
17	MINING ENGINEERS	130.	113.	0.8631
18	PETOLEUM ENGINEERS	119.	36.	0.3092
19	SALES ENGINEERS	1479.	1525.	1.0314
20	ENGINEERS, NEC	895.	3436.	3.8378
21	FARM MANAGEMENT ADVISORS	4.	20.	4.7600
22	FORESTOR $ CONSRVATIONIST	71.	27.	0.3932
23	HOME MANAGEMENT ADVISORS	91.	24.	0.2688
24	LAWYERS AND JUDGES	2494.	3134.	1.2564
25	JUDGES	117.	90.	0.7701
26	LAWYERS	2376.	3043.	1.2805
27	LIBRARIANS ARCHIV CURATOR	830.	1570.	1.8911
28	LIBRARIANS	815.	1532.	1.8780
29	ARCHIVISTS AND CURATORS	14.	38.	2.6302
30	MATHEMATICAL SPECIALISTS	320.	396.	1.2354
31	ACTUARIES	40.	23.	0.5764
32	MATHEMATICIANS	105.	99.	0.9451
33	STATISTICIANS	174.	273.	1.5646
34	LIFE $ PHYSICAL SCIENT.	3848.	3668.	0.9531
35	AGRICULTURAL SCIENTISTS	13.	42.	3.0947
36	ATMOSPHERIC $ SPACE SCI	50.	52.	1.0371
37	BIOLOGICAL SCIENTISTS	90.	184.	2.0369
38	CHEMISTS	3125.	2725.	0.8720
39	GEOLOGISTS	181.	176.	0.9738
40	MARINE SCIENTISTS	0.	12.	12.3156
41	PHYSICISTS AND ASTRONOM	329.	394.	1.1948
42	LIFE AND PHYS SCIEN NEC	56.	79.	1.4129
43	OPERATIONS $ SYST RESEAR	329.	1236.	3.7498
44	PERSONNEL $ LABOR REL WOK	1494.	3952.	2.6438
45	PHYSICIANS,DENTISTS $ REL	6697.	7602.	1.1350
46	CHIROPRACTORS	243.	150.	0.6162
47	DENTISTS	1379.	1277.	0.9265
48	OPTOMETRISTS	198.	209.	1.0548
49	PHARMACISTS	1524.	1809.	1.1866
50	PHYSICIANS$ MED $ OSTEO	3172.	3879.	1.2228
51	PODIATRISTS	113.	161.	1.4155
52	VETERINARIANS	65.	110.	1.6926
53	HEALTH PRACTITIONERS NE	0.	4.	4.4798
54	NURSES, DIETITIANS $ THER	10428.	15049.	1.4431
55	DIETITIANS	370.	478.	1.2901

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PITTSBURGH

		1960	1970	1960-70
56	REGISTERED NURSES	9683.	13387.	1.3824
57	THERAPISTS	373.	1183.	3.1687
58	HEALTH TECHNOLOG $ TECHIC	1463.	3603.	2.4617
59	CLIN LAB TECHNO $ TECHN	646.	1517.	2.3478
60	DENTAL HYGIENISTS	65.	147.	2.2686
61	HEALTH RECORD TECH	97.	138.	1.4213
62	RADIOLOGIC TECH	442.	746.	1.6873
63	THERAPY ASSISTANTS	7.	40.	5.3093
64	HEALTH TECH, NEC	204.	1012.	4.9503
65	RELIGIOUS WORKERS	3875.	3049.	0.7866
66	CLERGYMEN	2528.	2664.	1.0537
67	RELIGIOUS WORKERS, NEC	1347.	385.	0.2859
68	SOCIAL SCIENTISTS	589.	1345.	2.2811
69	ECONOMISTS	345.	911.	2.6384
70	POLITICAL SCIENTISTS	0.	5.	5.5991
71	PSYCHOLOGISTS	226.	323.	1.4259
72	SOCIOLOGISTS	0.	0.	0.0000
73	URBAN AND REG PLANNERS	12.	80.	6.5296
74	SOCIAL SCIENTISTS, NEC	5.	24.	4.6842
75	SOCIAL AND RECR WORKERS	1629.	3268.	2.0051
76	SOCIAL WORKERS	1217.	2812.	2.3094
77	RECREATION WORKERS	412.	455.	1.1060
78	TEACHERS, COLLEGE $ UNIV	2113.	5607.	2.6538
79	AGRICULTURE TEACHERS	44.	13.	0.2925
80	ATMOS, EARTH, MAR $ SPA	6.	16.	2.4990
81	BIOLOGY TEACHERS	86.	171.	1.9858
82	CHEMISTRY TEACHERS	91.	250.	2.7370
83	PHYSICS TEACHERS	102.	122.	1.1921
84	ENGINEERING TEACHERS	109.	271.	2.4673
85	MATHEMATICS TEACHERS	117.	305.	2.6076
86	HEALTH SPECIALT TEACHER	53.	310.	5.8353
87	PSYCHOLOGY TEACHERS	12.	139.	10.8710
88	BUS. $ COMMERCE TEACHER	67.	119.	1.7880
89	ECONOMICS TEACHERS	39.	136.	3.4665
90	HISTORY TEACHERS	98.	194.	1.9869
91	SOCIOLOGY TEACHERS	6.	75.	11.7458
92	SOCIAL SC TEACHERS NEC	41.	105.	2.5500
93	ART, DRAMA $ MUSIC TEAC	178.	313.	1.7561
94	COACHES $ PHYSICAL ED	105.	191.	1.8059
95	EDUCATION TEACHERS	67.	76.	1.1441
96	ENGLISH TEACHERS	215.	429.	1.9952
97	FOREIGN LANG TEACHERS	75.	276.	3.6608
98	HOME ECONOMICS TEACHERS	0.	20.	20.4321
99	LAW TEACHERS	6.	26.	4.0690
100	THEOLOGY TEACHERS	21.	103.	4.8825
101	TRADE, IND $ TECH TEACH	6.	29.	4.5613
102	MISCELL. TEACHERS, COLL	59.	191.	3.2077
103	TEACHERS, CC $ UNIV NEC	499.	1716.	3.4342
104	TEACHERS, EX CC $ UNIV	21919.	33405.	1.5240
105	ADULT EDUCATION TEACHER	452.	486.	1.0755
106	ELEMENTARY SCH TEACHERS	11495.	15465.	1.3454
107	PREKIND $ KINDERG TEACH	851.	1233.	1.4491
108	SECONDARY SCH TEACHERS	7453.	14339.	1.9238
109	TEACHERS, NEC	1667.	1880.	1.1278
110	ENGN $ SC TECHNICIANS	11883.	15388.	1.2949

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PITTSBURGH

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	406.	97.	0.2395
112	CHEMICAL TECHNICIANS	1196.	1168.	0.9765
113	DRAFTMEN	5449.	7743.	1.4207
114	ELEC $ ELECTRON ENG TEC	1514.	1692.	1.1175
115	IND ENG TECHNICIANS	333.	219.	0.6569
116	MECHNICAL ENG TECH	283.	304.	1.0722
117	MATHEMATICAL TECHNICIAN	0.	36.	36.9535
118	SURVEYORS	475.	512.	1.0790
119	ENG $ SC TECH, NEC	2221.	3612.	1.6260
120	TECHN, EX HEAL ENG $ SC	889.	1173.	1.3188
121	AIRPLANE PILOTS	250.	415.	1.6574
122	AIR TRAFFIC CONTROLLERS	157.	145.	0.9220
123	EMBALMERS	144.	25.	0.1787
124	FLIGHT ENGINEERS	5.	17.	3.1901
125	RADIO OPERATORS	234.	188.	0.8038
126	TOOL PROGRAMMER, NUM CO	50.	32.	0.6399
127	TECHNICIANS NEC	46.	348.	7.4323
128	VOCATION AND ED COUNSELOR	397.	1218.	3.0657
129	WRITER, ARTIST $ ENTERTNR	5563.	8054.	1.4478
130	ACTORS	86.	38.	0.4424
131	ATHLETES $ KINDRED WORKER	253.	447.	1.7627
132	AUTHORS	103.	109.	1.0616
133	DANCERS	48.	26.	0.5492
134	DESIGNERS	667.	1234.	1.8512
135	EDITORS AND REPORTERS	935.	1298.	1.3889
136	MUSICIANS $ COMPOSERS	898.	1078.	1.2002
137	PAINTERS AND SCULPTORS	1074.	1304.	1.2144
138	PHOTOGRAPHERS	634.	676.	1.0651
139	PUB REL MEN $ PUB WRITR	366.	942.	2.5705
140	RADIO $ TV ANNOUNCERS	218.	258.	1.1820
141	WRITER ARTIST $ ENT NEC	275.	637.	2.3155
142	RESEARCH WORKERS NOT SPEC	1030.	1425.	1.3825
143	MANAGER $ ADM, EXC FARM	63962.	66266.	1.0360
144	ASSESSOR COLTR $ TREAS	287.	488.	1.6981
145	BANK OFFICER $ FIN MANG	285.	3323.	11.6529
146	BUYER $ SHIPPER, FARM	235.	29.	0.1233
147	BUYER, WHOL $ RET TRADE	1208.	2386.	1.9753
148	CREDIT MEN	635.	788.	1.2413
149	FUNERAL DIRECTORS	580.	597.	1.0301
150	HEALTH ADMINISTRATORS	92.	825.	8.8899
151	CONSTRUCTION INSPECTORS	151.	184.	1.2199
152	INSPECTOR, EXC CONSTRUC	497.	557.	1.1215
153	MANAGER $ SUPERINT, BLD	189.	438.	2.3128
154	OFFICE MANAGERS NEC	245.	239.	0.9731
155	OFFICER PILOT PURS SHIP	244.	145.	0.5953
156	OFFIC $ ADM, PUB AD NEC	1879.	1829.	0.9732
157	OFF OF LODGE SO $ UNION	663.	665.	1.0031
158	POSTMASTER $ MAIL SUPER	265.	366.	1.3800
159	PURCH AGT $ BUYER NEC	1539.	2360.	1.5334
160	RAILROAD CONDUCTORS	1631.	1260.	0.7726
161	RESTAUR CAFET $ BAR MAN	3072.	3565.	1.1604
162	SALES MANAGERS, RET TRD	1490.	2586.	1.7356
163	SALES MANAGERS, EXC RET	766.	3935.	5.1325
164	SCHOOL ADM, COLLEGE	114.	404.	3.5169
165	SCHOOL ADM, EL $ SECOND	1189.	1832.	1.5412

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PITTSBURGH

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	46696.	37456.	0.8021
167	SALES WORKERS	71188.	73275.	1.0293
168	ADVERTISING AGT $ SALES	404.	815.	2.0138
169	AUCTIONEERS	8.	22.	2.6773
170	DEMONSTRATORS	271.	319.	1.1765
171	HUCKSTERS $ PEDDLERS	551.	912.	1.6546
172	INS AGT BRKR UNDERWRTRS	4851.	5888.	1.2138
173	NEWSBOYS	3983.	1239.	0.3111
174	REAL EST AGT $ BROKERS	1793.	2430.	1.3546
175	STOCK $ BOND SALESMEN	478.	1006.	2.1057
176	SALES REPRSTTV, MFG IND	6709.	6219.	0.9269
177	SALES REPRSTTIV, WHO TR	7069.	8367.	1.1836
178	SALES CLERKS, RET TRADE	35218.	37293.	1.0589
179	SALESMEN, RETAIL TRADE	6685.	5602.	0.8380
180	SALESMEN OF SVC $ CONST	3164.	3158.	0.9982
181	CLERICAL $ KIND WORKERS	132014.	168737.	1.2781
182	BANK TELLERS	1967.	3493.	1.7756
183	BILLING CLERKS	647.	1908.	2.9481
184	BOOKKEEPERS	9413.	16619.	1.7654
185	CASHIERS	6219.	9695.	1.5590
186	CLERICAL ASST, SOC WELF	0.	0.	0.0000
187	CLERICAL SUPERV, NEC	922.	1069.	1.1590
188	COLLECTOR, BILL $ ACCT	407.	631.	1.5497
189	COUNTER CLERK, EX FOOD	1974.	3235.	1.6383
190	DISPATCHER $ STARTERS	552.	954.	1.7295
191	ENUMERATOR $ INTERVIEWR	1695.	693.	0.4088
192	ESTIMATOR $ INV NEC	2477.	3450.	1.3927
193	EXPEDITER $ PROD CONTRL	2648.	3649.	1.3775
194	FILE CLERKS	1913.	4239.	2.2150
195	INSUR ADJUSTER, EXAM	760.	1043.	1.3717
196	LIBRARY ATTENDANT	326.	1307.	4.0054
197	MAIL CARRIER, POST OFF	2928.	3714.	1.2683
198	MAIL HANDLER, EX POST	1125.	1768.	1.5723
199	MESSENGER $ OFF BOY	1080.	664.	0.6148
200	METER READER, UTILITIES	744.	397.	0.5340
201	OFFICE MACHINE OPERATORS	4203.	7667.	1.8240
202	BOOKKPNG $ BILL MACH OP	697.	880.	1.2625
203	CALCULATING MACH OP	498.	549.	1.1038
204	COMPUTER $ PERIPH EQUIP	26.	1583.	60.7636
205	DUPLICATING MACH OP	186.	363.	1.9562
206	KEYPUNCH OPERATORS	2172.	3732.	1.7178
207	TABULATING MACH OP	349.	119.	0.3431
208	OFFICE MACH OP, NEC	274.	437.	1.5966
209	PAYROLL $ TIMEKPNG CLERKS	2269.	2721.	1.1994
210	POSTAL CLERKS	3455.	4999.	1.4470
211	PROOFREADERS	257.	316.	1.2281
212	REAL ESTATE APPRAISERS	204.	241.	1.1850
213	RECEPTIONISTS	2273.	3763.	1.6553
214	SECRETARIES	21049.	39274.	1.8658
215	SECRETARIES, LEGAL	493.	982.	1.9890
216	SECRETARIES, MEDICAL	493.	1375.	2.7847
217	SECRETARIES, NEC	20062.	36917.	1.8401
218	SHIPPING $ RECEIV CLERKS	5446.	6084.	1.1172
219	STATISTICAL CLERKS	2235.	3513.	1.5719
220	STENOGRAPHERS	6209.	2320.	0.3736

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PITTSBURGH

		1960	1970	1960-70
221	STOCK CLERKS & STOREKEEPE	5243.	5293.	1.0096
222	TEACHER AIDES, EX SCHL MD	213.	1112.	5.2000
223	TELEGRAPH MESSENGERS	43.	20.	0.4691
224	TELEGRAPH OPERATORS	178.	136.	0.7634
225	TELEPHONE OPERATORS	4653.	4654.	1.0002
226	TICKET, STATION & EXP AGT	880.	1478.	1.6794
227	TYPISTS	5403.	12906.	2.3884
228	WEIGHERS	780.	704.	0.9021
229	MISCELLANEOUS CLERICAL	5194.	6158.	1.1855
230	NOT SPECIFIED CLERIC WORK	24011.	6829.	0.2844
231	CRAFTMEN AND KINDRED WRK	144760.	143863.	0.9938
232	AUTO ACCESS INSTALLERS	73.	36.	0.5033
233	BAKERS	2055.	2034.	0.9893
234	BLACKSMITHS	376.	236.	0.6276
235	BOILERMAKERS	951.	1052.	1.1061
236	BOOKBINDERS	164.	241.	1.4666
237	BRICKMASON & STONEMASON	3415.	2906.	0.8508
238	BRICK & STONEMASON APPAR	64.	74.	1.1527
239	BULLDOZER OPERATORS	975.	1099.	1.1272
240	CABINETMAKERS	557.	593.	1.0643
241	CARPENTERS	7725.	7868.	1.0184
242	CARPENTER APPRENTICES	82.	119.	1.4560
243	CARPET INSTALLERS	390.	529.	1.3568
244	CEMENT & CONCRETE FINSHER	469.	692.	1.4752
245	COMPOSITOR & TYPESETTER	2154.	1772.	0.8227
246	PRINT APPRENT, EXC PRESS	104.	73.	0.7086
247	CRANEMEN DERRICKMEN HOIST	8539.	8341.	0.9768
248	DECORATOR & WINDOW DRESSE	624.	1046.	1.6764
249	DENTAL LAB TECHNICIANS	167.	302.	1.8084
250	ELECTRICIANS	5773.	6577.	1.1393
251	ELECTRICIAN APPRENTICES	109.	281.	2.5718
252	ELEC POWER LINE & CABLEMN	991.	841.	0.8493
253	ELECTRO & STEREOTYPERS	121.	101.	0.8369
254	ENGRAVERS, EXC PHOTOGRAVR	107.	73.	0.6889
255	EXCAVATING GRADING OPERTR	1766.	2200.	1.2457
256	FLOOR LAYER EXC TILE SETR	233.	171.	0.7350
257	FOREMEN NEC	19505.	21688.	1.1119
258	FOREMEN AND HAMMERMEN	563.	534.	0.9488
259	FURNITURE & WOOD FINISHER	206.	101.	0.4928
260	FURRIERS	40.	12.	0.3068
261	GLAZIERS	164.	135.	0.8216
262	HEAT TREATER ANNEALER	813.	729.	0.8972
263	INSPECTOR, LOG & LUMBER	17.	0.	0.0000
264	INSPECTORS, NEC	3481.	3492.	1.0030
265	JEWELERS AND WATCHMAKERS	299.	331.	1.1074
266	JOB & DIE SETTER, METAL	330.	1011.	3.0574
267	LOCOMOTIVE ENGINEERS	1598.	1362.	0.8522
268	LOCOMOTIVE FIREMEN	1081.	305.	0.2826
269	MACHINISTS	9098.	6290.	0.6913
270	MACHINIST APPRENTICES	246.	268.	1.0890
271	MECHANICS AND REPAIRMEN	29341.	31296.	1.0666
272	AIRCON HEAT & REFRGRTR	859.	1256.	1.4607
273	AIRCRAFT	297.	658.	2.8817
274	AUTO BODY REPAIRMEN	943.	1665.	1.7642
275	AUTO MECHANICS	7309.	9577.	1.3103

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PITTSBURGH

		1960	1970	1960-70
276	AUTO MECHANIC APPR	39.	38.	0.9665
277	DATA PROCESS MACH REPR	0.	478.	478.0582
278	FARM IMPLEMENT	630.	120.	0.1918
279	HEAVY EQUIP MECHANICS	4200.	9231.	2.1978
280	HOUSEHOLD APPL $ ACC	1357.	1482.	1.0918
281	LOOM FIXERS	0.	0.	0.0000
282	OFFICE MACHINE	425.	550.	1.2937
283	RADIO AND TV	1037.	1438.	1.3871
284	RAILROAD AND CAR SHOP	1587.	1273.	0.8025
285	MECHANIC Ex AUTO APPR	39.	101.	2.5700
286	MISCELL MECHAN $ REPAIR	2611.	2439.	0.9340
287	NOT SPEC MECH $ REPAIR	8000.	783.	0.0979
288	MILLER GRAIN FLOUR $ FEED	42.	8.	0.2094
289	MILLWRITHTS	3370.	3386.	1.0048
290	MOLDERS, METAL	1673.	1372.	0.8199
291	MOLDER APPRENTICES	8.	20.	2.4051
292	MOTION PIC PROJECTIONISTS	240.	251.	1.0463
293	OPTICIAN $ LENS GRINDER	322.	424.	1.3156
294	PRINTER, CONST $ MAINTENC	3490.	3099.	0.8882
295	PAINTER APPRENTICES	15.	12.	0.7809
296	PAPERHANGERS	281.	138.	0.4914
297	PATTERN $ MODEL MAKER	915.	748.	0.8176
298	PHOTOENGRAVER $ LITHOGRPH	322.	303.	0.9409
299	PIANO $ ORGAN TUNER $ REP	66.	73.	1.1068
300	PLASTERERS	891.	688.	0.7716
301	PLASTERER APPRENTICES	7.	9.	1.2226
302	PLUMBER $ PIPE FITTER	5584.	5890.	1.0547
303	PLUMBER $ PIPE FIT APPR	150.	251.	1.6682
304	POWER STATION OPERATORS	480.	324.	0.6762
305	PRESSMEN $ PLATE PRINTER	865.	1610.	1.8601
306	PRESSMAN APPRENTICES	19.	26.	1.3399
307	ROLLER $ FINISHER,METAL	2458.	2151.	0.8748
308	ROOFER AND SLATER	907.	624.	0.6879
309	SHEETMETAL WORKER $ TINSM	1296.	1540.	1.1885
310	SHEETMETAL APPRENTICES	69.	64.	0.9215
311	SHIPFITTERS	224.	51.	0.2289
312	SHOE REPAIRMEN	699.	353.	0.5056
313	SIGN PAINTERS $ LETTERER	290.	197.	0.6791
314	STATIONARY ENGINEERS	5639.	3020.	0.5356
315	STONE CUTTER $ CARVER	62.	23.	0.3786
316	STRUCTURAL METAL DRAFTMEN	1166.	2018.	1.7299
317	TAILORS	1077.	573.	0.5320
318	TELEPHONE INST $ REPAIRMN	1943.	2959.	1.5227
319	TELEPHONE LINEMEN $SPLICR	534.	524.	0.9801
320	TILE SETTER	885.	193.	0.2186
321	TOOL AND DIE MAKERS	1983.	2105.	1.0613
322	TOOL AND DIE MAKER APPR	136.	117.	0.8601
323	UPHOLSTERERS	383.	375.	0.9787
324	SPECIFIED CRAFT APPR, NEC	194.	153.	0.7916
325	NOT SPEC APPRENTICES	114.	40.	0.3506
326	DRAFTMEN $ KIND WRKR NEC	1153.	1298.	1.1258
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES Ex TRANSPORT	115846.	117282.	1.0123
329	ASBESTOS $ INSUL WORKERS	263.	282.	1.0706
330	ASSEMBLERS	4966.	7590.	1.5284

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PITTSBURGH

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	121.	58.	0.4777
332	BOTTLING $ CANNING OPERT	520.	807.	1.5508
333	CHAINMEN RODMEN $ AXMEN	110.	117.	1.0633
334	CHECKER EXAMINER INS,MFG	6724.	8624.	1.2824
335	CLOTHING IRONER $ PRESSER	2665.	1715.	0.6436
336	CUTTING OPERATIVE NEC	7533.	3368.	0.4471
337	DRESSMAKER $SEAMSTRESS	1307.	1098.	0.8397
338	DRILLERS, EARTH	1079.	340.	0.3152
339	DRY WALL INSTALLER $ LATH	793.	287.	0.3625
340	DYERS	22.	19.	0.8309
341	FILER POLISHER SANDER	2419.	819.	0.3387
342	FURNACEMEN SMELTERMEN	4245.	4229.	0.9962
343	GARAGE WORKERS $ GAS STAT	4924.	5299.	1.0761
344	GRADER $SORTER, MFG	399.	386.	0.9669
345	PRODUCE GRADER $ PACKER	150.	36.	0.2456
346	HEATER, METAL	1117.	886.	0.7933
347	LAUNDRY $ DRY CLNG OP NEC	1987.	2115.	1.0641
348	MEAT CUTTER $ BUTCHER	2668.	2709.	1.0154
349	MEAT CUTTER $ BUTCHER MFG	1027.	300.	0.2919
350	MEAT WRAPPER RETAIL TRADE	386.	627.	1.6229
351	METAL PLATERS	459.	307.	0.6705
352	MILLINERS	40.	11.	0.2749
353	MINE OPERATIVES NEC	4463.	2471.	0.5537
354	MIXING OPERATIVES	909.	743.	0.8168
355	OILER AND GREASER, EX AUT	881.	910.	1.0329
356	PACKER $ WRAPPER EX MEAT	4875.	5891.	1.2084
357	PAINTER, MFG ARTICLES	1070.	1414.	1.3212
358	PHOTOG PROCESS WORKERS	516.	755.	1.4621
359	PRECISION MACHINE OPERATV	4406.	10277.	2.3324
360	DRILL PRESS OPERATIVES	777.	1371.	1.7625
361	GRINDING MACHINE OPERTV	1628.	3578.	2.1971
362	LATHE $ MILLING MACH OP	1353.	4244.	3.1369
363	PRECISION MACH OP NEC	646.	1083.	1.6753
364	PUNCH $ STAMPING PRESS OP	1932.	2066.	1.0690
365	RIVETER AND FASTNERS	288.	228.	0.7901
366	SAILORS AND DECKHANDLERS	267.	258.	0.9667
367	SAWYERS	421.	730.	1.7332
368	SEWERS AND STICHERS	2742.	2748.	1.0022
369	SHOEMAKING MACH OPRTV	1104.	32.	0.0294
370	SOLDERERS	538.	124.	0.2306
371	STATIONARY FIREMEN	1818.	1740.	0.9567
372	TEXTILE OPERATIVES	3527.	122.	0.0345
373	CARDING LAPPING OP	498.	0.	0.0000
374	KNITTING LOOPER TOPPER	12.	11.	0.8954
375	SPINNER TWISTER $ WINDE	1165.	16.	0.0144
376	WEAVERS	44.	15.	0.3510
377	TEXTILE OP NEC	1806.	78.	0.0433
378	WELDERS $ FLAMECUTTERS	7671.	10354.	1.3497
379	WINDING OP NEC	469.	1033.	2.2009
380	MACHINE OP, MISC SPECIFD	9809.	13272.	1.3529
381	MACHINE OP NOT SPECIFIED	7618.	5070.	0.6655
382	MISCELL OPERATIVES	9867.	9532.	0.9660
383	NOT SPECIFIED OPERATIVES	4705.	5463.	1.1610
384	TRANSPORT EQUIPMENT OPERT	35152.	36450.	1.0369
385	BOATMEN AND CANALMEN	71.	31.	0.4387

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PITTSBURGH

		1960	1970	1960-70
386	BUS DRIVERS	2195.	3215.	1.4647
387	CONDUCTOR $ MOTORMEN	642.	133.	0.2071
388	DELIVERYMEN $ ROUTEMEN	5279.	8751.	1.6575
389	FORK LIFT $ TOW MOTOR OP	1711.	3013.	1.7604
390	MOTORMEN MINE FACTORY ETC	652.	458.	0.7029
391	PARKING ATTENDANTS	391.	643.	1.6430
392	RAILROAD BRAKEMEN	3125.	1837.	0.5880
393	RIALROAD SWITCHMEN	484.	585.	1.2075
394	TAXICAB DRIVERS $ CHAUFFR	1915.	1613.	0.8422
395	TRUCK DRIVERS	18681.	16165.	0.8653
396	LABORERS, EX FARM	71942.	49552.	0.6887
397	ANIMAL CARETAKER EX FARM	343.	402.	1.1715
398	CARPENTERS HELPERS	240.	435.	1.8070
399	CONSTRUCT LABOR EXC CARP	18402.	7533.	0.4093
400	FISHERMEN AND CYSTERMEN	40.	38.	0.9362
401	FREIGHT $ MATERIAL HANDLR	10271.	9601.	0.9348
402	GARBAGE COLLECTORS	806.	889.	1.1024
403	GARDNERS AND GROUNDKEEPER	2834.	2576.	0.9088
404	LONGSHOREMEN $ STEVEDORES	59.	122.	2.0469
405	LUMBERMEN RAFTMEN $ WDCHP	265.	89.	0.3374
406	STOCK HANDLERS	7461.	7050.	0.9449
407	TEAMSTERS	29.	11.	0.3828
408	VEHICLE WASHER $ EQUIP CL	3026.	2011.	0.6646
409	WAREHOUSEMEN NEC	1859.	1201.	0.6460
410	MISCELL LABORERS	7041.	6976.	0.9907
411	NOT SPECIFIED LABORERS	19259.	10613.	0.5510
412	FARMERS AND FARM MANAGERS	4380.	2190.	0.5000
413	FARMERS OWNERS $ TENANTS	3995.	2013.	0.5038
414	FARM MANAGERS	385.	177.	0.4611
415	FARM LABORER $ FOREMEN	3458.	1919.	0.5549
416	FARM FOREMEN	37.	23.	0.6286
417	FARM LABORER WAGE WORKER	2833.	1590.	0.5612
418	FARM LABORER UNPAID FAM W	572.	298.	0.5210
419	FARM SERVICE LABOR, SELF	14.	6.	0.4697
420	SERVICE WORKER EX PRI HHD	78048.	107853.	1.3818
421	CLEANING SERVICE WORKER	20339.	28079.	1.3805
422	CHAMBERMAID EX PRV HHD	1823.	2190.	1.2012
423	CLEANERS $ CHARWOMEN	5772.	7068.	1.2245
424	JANITOR AND SEXTON	12744.	18820.	1.4767
425	FOOD SERVICE WORKERS	22389.	37639.	1.6810
426	BARTENDERS	4329.	4112.	0.9498
427	BUSBOYS	978.	1254.	1.2818
428	COOKS EX PR HHD	73.	9092.	123.5208
429	DISHWASHERS	1377.	2289.	1.6619
430	FOOD COUNTER $ FOUNTAIN	2029.	1724.	0.8499
431	WAITERS	10684.	13523.	1.2657
432	FOOD SERVICE WRKR NEC	2916.	5641.	1.9345
433	HEALTH SERVICE WORKERS	11376.	14797.	1.3007
434	DENTAL ASSISTANTS	417.	704.	1.6888
435	HEALTH AIDES EX NURSEIN	389.	1403.	3.6058
436	HEALTH TRAINEES	2989.	159.	0.0532
437	LAY MIDWIFE	8.	4.	0.5265
438	NURSING AIDE ORDERLY	5383.	8756.	1.6265
439	PRACTICAL NURSES	2188.	3769.	1.7221
440	PERSONAL SERVICE WORKERS	13278.	14003.	1.0546

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN PITTSBURGH

		1960	1970	1960-70
441	AIRLINE STEWARDESS	142.	160.	1.1257
442	ATTENDANT, RECREAT $ AM	1976.	880.	0.4453
443	ATTENDANT, PERS SRV NEC	1035.	901.	0.8702
444	BAGGAGE PORTER $ BELLHO	404.	255.	0.6315
445	BARBERS	2304.	2216.	0.9620
446	BOADING $ LODGING HSEKP	104.	21.	0.2027
447	BOOTBLACKS	123.	25.	0.2087
448	CHILD CARE EX PR HHD	391.	976.	2.4943
449	ELEVATOR OPERATORS	1198.	671.	0.5603
450	HAIRDRESSER $ COSMETOL	4182.	6066.	1.4506
451	PERSONAL SVC APPRENTICE	19.	6.	0.3054
452	HOUSEKEEPER EX PR HHD	1093.	1138.	1.0409
453	SCHOOL MONITORS	24.	331.	13.2664
454	USHER, RECREAT $ AMUS	271.	189.	0.6978
455	WELFARE SVC AIDES	4.	162.	34.4677
456	PROTECTIVE SERVICE WORKER	10663.	13333.	1.2503
457	CROSSING GUARD $ BRIDGE	669.	1272.	1.9018
458	FIREMEN, FIREPROTECTION	1544.	1730.	1.1201
459	GUARD $ WATCHMEN	4103.	4860.	1.1845
460	MARSHAL $ CONSTABLE	49.	64.	1.3067
461	POLICEMEN $ DETECTIVES	4144.	5205.	1.2560
462	SHERIFFS $ BAILIFFS	152.	199.	1.3087
463	PRIVATE HOUSE WORKERS	15734.	7969.	0.5065
464	CHILD CARE WORKER PRV HHD	3228.	1175.	0.3639
465	COOKS PRV HHD	356.	239.	0.6737
466	HOUSEKEEPER PRV HHD	1352.	747.	0.5524
467	LAUNDRESS PRV HHD	358.	165.	0.4622
468	MAID $ SERVANT PRV HHD	10438.	5641.	0.5404
469	OCCUPATION NOT REPORTED	36391.	50102.	1.3767

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN READING

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL OCC	118646.	138507.	1.1673
2	PROF TECH AND KINDRED	9453.	14155.	1.4974
3	ACCOUNTANTS	577.	860.	1.4886
4	ARCHITECTS	55.	29.	0.5351
5	COMPUTER SPECIALISTS	12.	287.	23.5516
6	COMPUTER PROGRAMMERS	8.	186.	22.1860
7	COMP SYSTEMS ANALYSTS	3.	101.	28.7897
8	COMPUTER SPEC. NEC	0.	0.	0.0000
9	ENGINEERS	922.	1673.	1.8143
10	AERONAUT AND ASTRON ENG	0.	0.	0.0000
11	CHEMICAL ENGINEERS	38.	56.	1.4832
12	CIVIL ENGINEERS	138.	163.	1.1771
13	ELECTR AND ELECTRO ENG	242.	459.	1.8957
14	INDUSTRIAL ENGINEERS	165.	258.	1.5588
15	MECHANICAL ENGINEERS	202.	214.	1.0560
16	METALLUR AND MATER ENG	33.	76.	2.3117
17	MINING ENGINEERS	2.	11.	5.0684
18	PETORLEUM ENGINEERS	3.	0.	0.0000
19	SALES ENGINEERS	27.	60.	2.2353
20	ENGINEERS, NEC	68.	372.	5.4264
21	FARM MANAGEMENT ADVISORS	4.	0.	0.0000
22	FORESTOR $ CONSRVATIONIST	9.	10.	1.1492
23	HOME MANAGEMENT ADVISORS	7.	6.	0.8989
24	LAWYERS AND JUDGES	191.	147.	0.7701
25	JUDGES	10.	5.	0.5117
26	LAWYERS	180.	141.	0.7850
27	LIBRARIANS ARCHIV CURATOR	78.	145.	1.8384
28	LIBRARIANS	77.	121.	1.5623
29	ARCHIVISTS AND CURATORS	1.	23.	21.9077
30	MATHEMATICAL SPECIALISTS	11.	39.	3.4741
31	ACTUARIES	2.	0.	0.0000
32	MATHEMATICIANS	3.	5.	1.7620
33	STATISTICIANS	6.	34.	5.6361
34	LIFE $ PHYSICAL SCIENT.	244.	278.	1.1363
35	AGRICULTURAL SCIENTISTS	4.	0.	0.0000
36	ATMOSPHERIC $ SPACE SCI	5.	0.	0.0000
37	BIOLOGICAL SCIENTISTS	9.	35.	3.8248
38	CHEMISTS	212.	218.	1.0284
39	GEOLOGISTS	0.	0.	0.0000
40	MARINE SCIENTISTS	0.	0.	0.0000
41	PHYSICISTS AND ASTRONOM	0.	24.	24.5104
42	LIFE AND PHYS SCIEN NEC	13.	0.	0.0000
43	OPERATIONS $ SYST RESEAR	27.	80.	2.9001
44	PERSONNEL $ LABOR REL WOK	120.	377.	3.1213
45	PHYSICIANS,DENTISTS $ REL	668.	657.	0.9837
46	CHIROPRACTORS	13.	32.	2.3879
47	DENTISTS	125.	146.	1.1628
48	OPTOMETRISTS	19.	21.	1.0905
49	PHARMACISTS	97.	85.	0.8745
50	PHYSICIANS$ MED $ OSTEO	385.	355.	0.9224
51	PODIATRISTS	9.	11.	1.2950
52	VETERINARIANS	17.	5.	0.3039
53	HEALTH PRACTITIONERS NE	0.	0.	0.0000
54	NURSES, DIETITIANS $ THER	1119.	1759.	1.5714
55	DIETITIANS	29.	25.	0.8571

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN READING

		1960	1970	1960-70
56	REGISTERED NURSES	1063.	1593.	1.4987
57	THERAPISTS	26.	139.	5.3452
58	HEALTH TECHNOLOG $ TECHIC	124.	333.	2.6664
59	CLIN LAB TECHNO $ TECHN	54.	151.	2.7692
60	DENTAL HYGIENISTS	6.	40.	6.1486
61	HEALTH RECORD TECH	9.	0.	0.0000
62	RADIOLOGIC TECH	35.	61.	1.7664
63	THERAPY ASSISTANTS	0.	0.	0.0000
64	HEALTH TECH, NEC	18.	78.	4.1892
65	RELIGIOUS WORKERS	500.	302.	0.6032
66	CLERGYMEN	292.	257.	0.8765
67	RELIGIOUS WORKERS, NEC	207.	44.	0.2156
68	SOCIAL SCIENTISTS	37.	92.	2.4923
69	ECONOMISTS	32.	40.	1.2621
70	POLITICAL SCIENTISTS	0.	5.	5.3369
71	PSYCHOLOGISTS	4.	30.	7.5893
72	SOCIOLOGISTS	0.	0.	0.0000
73	URBAN AND REG PLANNERS	1.	16.	14.9328
74	SOCIAL SCIENTISTS, NEC	0.	0.	0.0000
75	SOCIAL AND RECR WORKERS	132.	357.	2.7066
76	SOCIAL WORKERS	103.	237.	2.2970
77	RECREATION WORKERS	28.	120.	4.1657
78	TEACHERS, COLLEGE $ UNIV	130.	293.	2.2472
79	AGRICULTURE TEACHERS	2.	1.	0.9122
80	ATMOS, EARTH, MAR $ SPA	0.	2.	7.7941
81	BIOLOGY TEACHERS	4.	8.	1.7811
82	CHEMISTRY TEACHERS	4.	16.	3.3351
83	PHYSICS TEACHERS	4.	0.	0.0000
84	ENGINEERING TEACHERS	5.	0.	0.0000
85	MATHEMATICS TEACHERS	6.	27.	4.6222
86	HEALTH SPECIALT TEACHER	2.	16.	5.5343
87	PSYCHOLOGY TEACHERS	0.	6.	10.7882
88	BUS. $ COMMERCE TEACHER	3.	6.	1.6441
89	ECONOMICS TEACHERS	2.	8.	4.0671
90	HISTORY TEACHERS	5.	9.	1.8826
91	SOCIOLOGY TEACHERS	0.	3.	11.6567
92	SOCIAL SC TEACHERS NEC	2.	4.	1.8358
93	ART, DRAMA $ MUSIC TEAC	23.	16.	0.7102
94	COACHES $ PHYSICAL ED	7.	10.	1.3031
95	EDUCATION TEACHERS	3.	4.	1.0520
96	ENGLISH TEACHERS	12.	38.	3.0588
97	FOREIGN LANG TEACHERS	4.	14.	3.0859
98	HOME ECONOMICS TEACHERS	0.	1.	1.0900
99	LAW TEACHERS	0.	1.	4.6174
100	THEOLOGY TEACHERS	1.	5.	3.7131
101	TRADE, IND $ TECH TEACH	0.	1.	5.1751
102	MISCELL. TEACHERS, COLL	3.	10.	3.0963
103	TEACHERS, CC $ UNIV NEC	26.	76.	2.8812
104	TEACHERS, EX CC $ UNIV	2495.	3929.	1.5743
105	ADULT EDUCATION TEACHER	53.	38.	0.7188
106	ELEMENTARY SCH TEACHERS	1170.	1821.	1.5557
107	PREKIND $ KINDERG TEACH	75.	137.	1.8312
108	SECONDARY SCH TEACHERS	993.	1648.	1.6588
109	TEACHERS, NEC	202.	282.	1.3969
110	ENGN $ SC TECHNICIANS	1215.	1480.	1.2178

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EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN READING

		1960	1970	1960-70
111	AGR $ BIOL TECH EX MEAL	40.	24.	0.6104
112	CHEMICAL TECHNICIANS	139.	69.	0.4955
113	DRAFTMEN	489.	790.	1.6161
114	ELEC $ ELECTRON ENG TEC	156.	129.	0.8268
115	IND ENG TECHNICIANS	32.	38.	1.1680
116	MECHNICAL ENG TECH	31.	20.	0.6346
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	62.	69.	1.1086
119	ENG $ SC TECH, NEC	262.	338.	1.2881
120	TECHN, EX MEAL ENG $ SC	49.	86.	1.7285
121	AIRPLANE PILOTS	10.	22.	2.2196
122	AIR TRAFFIC CONTROLLERS	6.	10.	1.6666
123	EMBALMERS	9.	0.	0.0000
124	FLIGHT ENGINEERS	0.	0.	0.0000
125	RADIO OPERATORS	12.	17.	1.3205
126	TOOL PROGRAMMER, NUM CO	5.	0.	0.0000
127	TECHNICIANS NEC	4.	36.	7.5432
128	VOCATION AND ED COUNSELOR	28.	108.	3.7652
129	WRITER, ARTIST $ ENTERTNR	604.	777.	1.2853
130	ACTORS	3.	0.	0.0000
131	ATHLETES $ KINDRED WORKER	28.	28.	1.0133
132	AUTHORS	11.	13.	1.2469
133	DANCERS	5.	23.	4.3280
134	DESIGNERS	102.	143.	1.4064
135	EDITORS AND REPORTERS	112.	138.	1.2329
136	MUSICIANS $ COMPOSERS	145.	135.	0.9291
137	PAINTERS AND SCULPTORS	102.	100.	0.9778
138	PHOTOGRAPHERS	42.	43.	1.0260
139	PUB REL MEN $ PUB WRITR	16.	76.	4.7252
140	RADIO $ TV ANNOUNCERS	18.	23.	1.2982
141	WRITER ARTIST $ ENT NEC	16.	49.	3.0658
142	RESEARCH WORKERS NOT SPEC	80.	40.	0.5034
143	MANAGER $ ADM, EXC FARM	7734.	7945.	1.0272
144	ASSESSOR CONTR $ TREAS	24.	66.	2.7353
145	BANK OFFICER $ FIN MANG	33.	451.	13.6470
146	BUYER $ SHIPPER, FARM	16.	11.	0.7180
147	BUYER, WHOL $ RET TRADE	138.	248.	1.7991
148	CREDIT MEN	48.	91.	1.8942
149	FUNERAL DIRECTORS	52.	82.	1.5561
150	HEALTH ADMINISTRATORS	11.	68.	6.1847
151	CONSTRUCTION INSPECTORS	14.	7.	0.5145
152	INSPECTOR, EXC CONSTRUC	46.	49.	1.0649
153	MANAGER $ SUPERINT, BLD	9.	73.	7.8650
154	OFFICE MANAGERS NEC	30.	30.	1.0034
155	OFFICER PILOT PURS SHIP	3.	0.	0.0000
156	OFFIC $ ADM, PUB AD NEC	157.	184.	1.1743
157	OFF OF LODGE SO $ UNION	60.	80.	1.3259
158	POSTMASTER $ MAIL SUPER	40.	67.	1.6729
159	PURCH AGT $ BUYER NEC	150.	287.	1.9136
160	RAILROAD CONDUCTORS	67.	78.	1.1732
161	RESTAUR CAFET $ BAR MAN	400.	471.	1.1770
162	SALES MANAGERS, RET TRD	163.	268.	1.6452
163	SALES MANAGERS, EXC RET	99.	288.	2.9117
164	SCHOOL ADM, COLLEGE	8.	24.	2.9370
165	SCHOOL ADM, EL $ SECOND	176.	208.	1.1818

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN READING

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	5984.	4804.	0.8029
167	SALES WORKERS	7948.	8588.	1.0805
168	ADVERTISING AGT $ SALES	44.	102.	2.2782
169	AUCTIONEERS	12.	4.	0.3517
170	DEMONSTRATORS	44.	28.	0.6463
171	HUCKSTERS $ PEDDLERS	40.	164.	4.0503
172	INS AGT BRKR UNDERWRTRS	743.	819.	1.1024
173	NEWSBOYS	404.	205.	0.5089
174	REAL EST AGT $ BROKERS	172.	148.	0.8576
175	STOCK $ BOND SALESMEN	41.	109.	2.6440
176	SALES REPRSTTV, MFG IND	755.	774.	1.0256
177	SALES REPRSTTIV, WHO TR	798.	929.	1.1642
178	SALES CLERKS, RET TRADE	3798.	4143.	1.0908
179	SALESMEN, RETAIL TRADE	752.	828.	1.1011
180	SALESMEN OF SVC $ CONST	339.	329.	0.9711
181	CLERICAL $ KIND WORKERS	13290.	19731.	1.4846
182	BANK TELLERS	276.	559.	2.0261
183	BILLING CLERKS	69.	269.	3.8570
184	BOOKKEEPERS	925.	2266.	2.4484
185	CASHIERS	700.	1257.	1.7956
186	CLERICAL ASST, SOC WELF	0.	0.	0.0000
187	CLERICAL SUPERV, NEC	86.	125.	1.4490
188	COLLECTOR, BILL $ ACCT	43.	22.	0.5104
189	COUNTER CLERK, EX FOOD	196.	305.	1.5551
190	DISPATCHER $ STARTERS	72.	134.	1.8506
191	ENUMERATOR $ INTERVIEWR	183.	48.	0.2617
192	ESTIMATOR $ INV NEC	215.	318.	1.4804
193	EXPEDITER $ PROD CONTRL	226.	398.	1.7593
194	FILE CLERKS	210.	519.	2.4677
195	INSUR ADJUSTER, EXAM	86.	134.	1.5613
196	LIBRARY ATTENDANT	16.	90.	5.4130
197	MAIL CARRIER, POST OFF	256.	320.	1.2454
198	MAIL HANDLER, EX POST	100.	105.	1.0457
199	MESSENGER $ OFF BOY	53.	57.	1.0906
200	METER READER, UTILITIES	60.	26.	0.4432
201	OFFICE MACHINE OPERATORS	418.	936.	2.2374
202	BOOKKPNG $ BILL MACH OP	65.	90.	1.3814
203	CALCULATING MACH OP	44.	23.	0.5235
204	COMPUTER $ PERIPH EQUIP	2.	124.	46.4641
205	DUPLICATING MACH OP	20.	26.	1.2746
206	KEYPUNCH OPERATORS	217.	582.	2.6833
207	TABULATING MACH OP	40.	0.	0.0000
208	OFFICE MACH OP, NEC	26.	88.	3.3242
209	PAYROLL $ TIMEKPNG CLERKS	277.	337.	1.2191
210	POSTAL CLERKS	214.	260.	1.2161
211	PROOFREADERS	26.	33.	1.2493
212	REAL ESTATE APPRAISERS	17.	4.	0.2508
213	RECEPTIONISTS	140.	362.	2.5806
214	SECRETARIES	2210.	4479.	2.0262
215	SECRETARIES, LEGAL	51.	112.	2.1560
216	SECRETARIES, MEDICAL	51.	156.	3.0225
217	SECRETARIES, NEC	2106.	4210.	1.9984
218	SHIPPING $ RECEIV CLERKS	798.	1191.	1.4929
219	STATISTICAL CLERKS	226.	398.	1.7578
220	STENOGRAPHERS	332.	99.	0.2962

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN READING

		1960	1970	1960-70
221	STOCK CLERKS & STOREKEEPE	669.	804.	1.2012
222	TEACHER AIDES, EX SCHL MD	15.	104.	6.5688
223	TELEGRAPH MESSENGERS	4.	1.	0.4435
224	TELEGRAPH OPERATORS	4.	0.	0.0000
225	TELEPHONE OPERATORS	489.	466.	0.9516
226	TICKET, STATION & EXP AGT	75.	52.	0.6944
227	TYPISTS	531.	1528.	2.8742
228	WEIGHERS	72.	92.	1.2744
229	MISCELLANEOUS CLERICAL	504.	649.	1.2883
230	NOT SPECIFIED CLERIC WORK	2480.	968.	0.3903
231	CRAFTMEN AND KINDRED WRK	18672.	20428.	1.0940
232	AUTO ACCESS INSTALLERS	16.	10.	0.6435
233	BAKERS	330.	328.	0.9948
234	BLACKSMITHS	35.	34.	0.9630
235	BOILERMAKERS	30.	42.	1.3779
236	BOOKBINDERS	31.	34.	1.0735
237	BRICKMASON & STONEMASON	298.	351.	1.1747
238	BRICK & STONEMASON APPAR	3.	9.	2.9905
239	BULLDOZER OPERATORS	137.	106.	0.7745
240	CABINETMAKERS	178.	162.	0.9134
241	CARPENTERS	1154.	1197.	1.0374
242	CARPENTER APPRENTICES	12.	18.	1.5110
243	CARPET INSTALLERS	29.	83.	2.7833
244	CEMENT & CONCRETE FINSHER	37.	66.	1.7753
245	COMPOSITOR & TYPESETTER	322.	218.	0.6782
246	PRINT APPRENT, EXC PRESS	0.	9.	9.1180
247	CRANEMEN DERRICKMEN HOIST	476.	447.	0.9393
248	DECORATOR & WINDOW DRESSE	94.	134.	1.4154
249	DENTAL LAB TECHNICIANS	7.	18.	2.3966
250	ELECTRICIANS	509.	915.	1.7953
251	ELECTRICIAN APPRENTICES	24.	39.	1.6209
252	ELEC POWER LINE & CABLEMN	109.	267.	2.4478
253	ELECTRO & STEREOTYPERS	5.	24.	4.8796
254	ENGRAVERS, EXC PHOTOGRAVR	8.	5.	0.6624
255	EXCAVATING GRADING OPERTR	227.	264.	1.1625
256	FLOOR LAYER EXC TILE SETR	42.	20.	0.4759
257	FOREMEN NEC	2704.	3656.	1.3522
258	FOREMEN AND HAMMERMEN	26.	26.	0.9936
259	FURNITURE & WOOD FINISHER	55.	19.	0.3452
260	FURRIERS	25.	6.	0.2545
261	GLAZIERS	23.	10.	0.4526
262	HEAT TREATER ANNEALER	157.	154.	0.9795
263	INSPECTOR, LOG & LUMBER	1.	5.	2.7194
264	INSPECTORS, NEC	324.	340.	1.0510
265	JEWELERS AND WATCHMAKERS	65.	44.	0.6884
266	JOB & DIE SETTER, METAL	158.	334.	2.1029
267	LOCOMOTIVE ENGINEERS	103.	84.	0.8131
268	LOCOMOTIVE FIREMEN	28.	11.	0.4165
269	MACHINISTS	1250.	760.	0.6083
270	MACHINIST APPRENTICES	44.	32.	0.7376
271	MECHANICS AND REPAIRMEN	4460.	4639.	1.0400
272	AIRCON HEAT & REFRGRTR	128.	298.	2.3246
273	AIRCRAFT	47.	96.	2.0445
274	AUTO BODY REPAIRMEN	139.	176.	1.2664
275	AUTO MECHANICS	1086.	1535.	1.4127

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN READING

		1960	1970	1960-70
276	AUTO MECHANIC APPR	4.	6.	1.5255
277	DATA PROCESS MACH REPR	0.	44.	44.7431
278	FARM IMPLEMENT	94.	62.	0.6657
279	HEAVY EQUIP MECHANICS	629.	1488.	2.3655
280	HOUSEHOLD APPL $ ACC	203.	187.	0.9222
281	LOOM FIXERS	16.	0.	0.0000
282	OFFICE MACHINE	36.	55.	1.4980
283	RADIO AND TV	153.	166.	1.0856
284	RAILROAD AND CAR SHOP	322.	150.	0.4651
285	MECHANIC EX AUTO APPR	4.	10.	2.5420
286	MISCELL MECHAN $ REPAIR	395.	245.	0.6213
287	NOT SPEC MECH $ REPAIR	1198.	113.	0.0950
288	MILLER GRAIN FLOUR $ FEED	33.	15.	0.4813
289	MILLWRITHTS	42.	202.	4.7145
290	MOLDERS, METAL	633.	476.	0.7511
291	MOLDER APPRENTICES	0.	7.	7.2490
292	MOTION PIC PROJECTIONISTS	13.	21.	1.6086
293	OPTICIAN $ LENS GRINDER	198.	229.	1.1514
294	PRINTER, CONST $ MAINTENC	624.	586.	0.9392
295	PAINTER APPRENTICES	0.	2.	2.3534
296	PAPERHANGERS	45.	11.	0.2573
297	PATTERN $ MODEL MAKER	193.	256.	1.3261
298	PHOTOENGRAVER $ LITHOGRPH	60.	31.	0.5239
299	PIANO $ ORGAN TUNER $ REP	17.	9.	0.5594
300	PLASTERERS	132.	98.	0.7436
301	PLASTERER APPRENTICES	0.	1.	1.4030
302	PLUMBER $ PIPE FITTER	481.	643.	1.3376
303	PLUMBER $ PIPE FIT APPR	20.	27.	1.3686
304	POWER STATION OPERATORS	37.	23.	0.6293
305	PRESSMEN $ PLATE PRINTER	106.	271.	2.5411
306	PRESSMAN APPRENTICES	0.	4.	4.4125
307	ROLLER $ FINISHER,METAL	147.	124.	0.8416
308	ROOFER AND SLATER	104.	180.	1.7304
309	SHEETMETAL WORKER $ TINSM	210.	282.	1.3370
310	SHEETMETAL APPRENTICES	0.	11.	11.7566
311	SHIPFITTERS	7.	0.	0.0000
312	SHOE REPAIRMEN	76.	94.	1.2317
313	SIGN PAINTERS $ LETTERER	50.	29.	0.5952
314	STATIONARY ENGINEERS	392.	178.	0.4553
315	STONE CUTTER $ CARVER	13.	0.	0.0000
316	STRUCTURAL METAL DRAFTMEN	77.	155.	2.0006
317	TAILORS	229.	258.	1.1262
318	TELEPHONE INST $ REPAIRMN	215.	286.	1.3306
319	TELEPHONE LINEMEN $SPLICR	59.	67.	1.1370
320	TILE SETTER	75.	46.	0.6234
321	TOOL AND DIE MAKERS	490.	556.	1.1350
322	TOOL AND DIE MAKER APPR	25.	31.	1.2361
323	UPHOLSTERERS	125.	128.	1.0237
324	SPECIFIED CRAFT APPR, NEC	22.	14.	0.6165
325	NOT SPEC APPRENTICES	14.	3.	0.2554
326	DRAFTMEN $ KIND WRKR NEC	136.	119.	0.8737
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	30911.	33858.	1.0953
329	ASBESTOS $ INSUL WORKERS	20.	0.	0.0000
330	ASSEMBLERS	1567.	1915.	1.2216

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN READING

		1960	1970	1960-70
331	BLASTERS AND POWDERMEN	0.	9.	9.5873
332	BOTTLING & CANNING OPERT	174.	152.	0.8728
333	CHAINMEN RODMEN & AXMEN	12.	4.	0.3522
334	CHECKER EXAMINER INS.MFG	1716.	2405.	1.4013
335	CLOTHING IRONER & PRESSER	548.	404.	0.7370
336	CUTTING OPERATIVE NEC	1405.	891.	0.6344
337	DRESSMAKER &SEAMSTRESS	277.	111.	0.4031
338	DRILLERS, EARTH	76.	68.	0.8882
339	DRY WALL INSTALLER & LATH	104.	17.	0.1630
340	DYERS	104.	174.	1.6730
341	FILER POLISHER SANDER	480.	416.	0.8659
342	FURNACEMEN SMELTERMEN	344.	512.	1.4872
343	GARAGE WORKERS & GAS STAT	379.	520.	1.3702
344	GRADER &SORTER, MFG	62.	82.	1.3201
345	PRODUCE GRADER & PACKER	89.	0.	0.0000
346	HEATER, METAL	23.	22.	0.9678
347	LAUNDRY & DRY CLNG OP NEC	301.	297.	0.9864
348	MEAT CUTTER & BUTCHER	266.	354.	1.3283
349	MEAT CUTTER & BUTCHER MFG	247.	97.	0.3957
350	MEAT WRAPPER RETAIL TRADE	152.	71.	0.4677
351	METAL PLATERS	90.	81.	0.9065
352	MILLINERS	11.	0.	0.0000
353	MINE OPERATIVES NEC	147.	206.	1.3995
354	MIXING OPERATIVES	176.	281.	1.5881
355	OILER AND GREASER, EX AUT	46.	84.	1.8190
356	PACKER & WRAPPER EX MEAT	1521.	2214.	1.4556
357	PAINTER, MFG ARTICLES	320.	364.	1.1349
358	PHOTOG PROCESS WORKERS	37.	41.	1.1071
359	PRECISION MACHINE OPERATV	859.	1738.	2.0228
360	DRILL PRESS OPERATIVES	180.	283.	1.5713
361	GRINDING MACHINE OPERTV	286.	620.	2.1675
362	LATHE & LILLING MACH OP	262.	624.	2.3759
363	PRECISION MACH OP NEC	129.	209.	1.6151
364	PUNCH & STAMPING PRESS OP	508.	597.	1.1741
365	RIVETER AND FASTNERS	79.	90.	1.1420
366	SAILORS AND DECKHANDLERS	0.	5.	5.3255
367	SAWYERS	112.	183.	1.6210
368	SEWERS AND STICHERS	5413.	6294.	1.1627
369	SHOEMAKING MACH OPRTV	424.	396.	0.9338
370	SOLDERERS	237.	30.	0.1297
371	STATIONARY FIREMEN	299.	231.	0.7706
372	TEXTILE OPERATIVES	3145.	3160.	1.0049
373	CARDING LAPPING OP	126.	0.	0.0000
374	KNITTING LOOPER TOPPER	1806.	982.	0.5437
375	SPINNER TWISTER & WINDE	475.	241.	0.5073
376	WEAVERS	111.	77.	0.6984
377	TEXTILE OP NEC	625.	1859.	2.9742
378	WELDERS & FLAMECUTTERS	1191.	1473.	1.2363
379	WINDING OP NEC	155.	108.	0.6970
380	MACHINE OP, MISC SPECIFD	2294.	3827.	1.6683
381	MACHINE OP NOT SPECIFIED	1914.	986.	0.5153
382	MISCELL OPERATIVES	2469.	1676.	0.6787
383	NOT SPECIFIED OPERATIVES	1094.	1254.	1.1456
384	TRANSPORT EQUIPMENT OPERT	4587.	5300.	1.1553
385	BOATMEN AND CANALMEN	0.	0.	0.0000

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN HEADING

		1960	1970	1960-70
386	BUS DRIVERS	239.	227.	0.9472
387	CONDUCTOR $ MOTORMEN	0.	0.	0.0000
388	DELIVERYMEN $ ROUTEMEN	953.	1387.	1.4553
389	FORK LIFT $ TOW MOTOR OP	318.	481.	1.5136
390	MOTORMEN MINE FACTORY ETC	9.	29.	3.2951
391	PARKING ATTENDANTS	27.	43.	1.5915
392	RAILROAD BRAKEMEN	148.	67.	0.4511
393	RIALROAD SWITCHMEN	19.	15.	0.8358
394	TAXICAB DRIVERS $ CHAUFFR	190.	192.	1.0128
395	TRUCK DRIVERS	2681.	2854.	1.0645
396	LABORERS, EX FARM	6289.	5480.	0.8714
397	ANIMAL CARETAKER EX FARM	72.	45.	0.6305
398	CARPENTERS HELPERS	22.	39.	1.7355
399	CONSTRUCT LABOR EXC CARP	1451.	753.	0.5190
400	FISHERMEN AND OYSTERMEN	10.	0.	0.0000
401	FREIGHT $ MATERIAL HANDLR	871.	1139.	1.3080
402	GARBAGE COLLECTORS	63.	89.	1.4111
403	GARDNERS AND GROUNDKEEPER	409.	392.	0.9575
404	LONGSHOREMEN $ STEVEDORES	8.	8.	1.0509
405	LUMBERMEN RAFTMEN $ WDCHP	46.	12.	0.2765
406	STOCK HANDLERS	739.	938.	1.2681
407	TEAMSTERS	0.	0.	0.0000
408	VEHICLE WASHER $ EQUIP CL	273.	292.	1.0690
409	WAREHOUSEMEN NEC	135.	114.	0.8415
410	MISCELL LABORERS	607.	695.	1.1444
411	NOT SPECIFIED LABORERS	1576.	959.	0.6087
412	FARMERS AND FARM MANAGERS	2153.	1437.	0.6675
413	FARMERS OWNERS $ TENANTS	2083.	1349.	0.6476
414	FARM MANAGERS	70.	88.	1.2567
415	FARM LABORER $ FOREMEN	2001.	1102.	0.5508
416	FARM FOREMEN	14.	19.	1.3263
417	FARM LABORER WAGE WORKER	1392.	789.	0.5671
418	FARM LABORER UNPAID FAM W	585.	287.	0.4908
419	FARM SERVICE LABOR, SELF	9.	6.	0.6677
420	SERVICE WORKER EX PRI HHD	9043.	13468.	1.4892
421	CLEANING SERVICE WORKER	2161.	3539.	1.6373
422	CHAMBERMAID EX PRV HHD	152.	198.	1.3005
423	CLEANERS $ CHARWOMEN	597.	865.	1.4491
424	JANITOR AND SEXTON	1411.	2475.	1.7534
425	FOOD SERVICE WORKERS	3201.	5167.	1.6139
426	BARTENDERS	565.	644.	1.1381
427	BUSBOYS	130.	115.	0.8883
428	COOKS EX PR HHD	17.	1097.	64.3497
429	DISHWASHERS	244.	501.	2.0523
430	FOOD COUNTER $ FOUNTAIN	297.	275.	0.9277
431	WAITERS	1478.	1831.	1.2386
432	FOOD SERVICE WRKR NEC	468.	701.	1.4970
433	HEALTH SERVICE WORKERS	1208.	1683.	1.3933
434	DENTAL ASSISTANTS	58.	138.	2.3627
435	HEALTH AIDES EX NURSEIN	48.	181.	3.7374
436	HEALTH TRAINEES	438.	5.	0.0121
437	LAY MIDWIFE	0.	0.	0.0000
438	NURSING AIDE ORDERLY	506.	795.	1.5710
439	PRACTICAL NURSES	156.	562.	3.6023
440	PERSONAL SERVICE WORKERS	1413.	1841.	1.3029

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN READING

		1960	1970	1960-70
441	AIRLINE STEWARDESS	11.	6.	0.5477
442	ATTENDANT, RECREAT $ AM	96.	77.	0.8062
443	ATTENDANT, PERS SRV NEC	101.	42.	0.4227
444	BAGGAGE PORTER $ BELLHO	28.	6.	0.2231
445	BARBERS	321.	292.	0.9076
446	BOADING $ LODGING HSEKP	13.	0.	0.0000
447	BOOTBLACKS	24.	0.	0.0000
448	CHILD CARE EX PR HHD	38.	214.	5.6042
449	ELEVATOR OPERATORS	61.	47.	0.7862
450	HAIRDRESSER $ COSMETOL	584.	906.	1.5499
451	PERSONAL SVC APPRENTICE	2.	0.	0.3507
452	HOUSEKEEPER EX PR HHD	99.	129.	1.2978
453	SCHOOL MONITORS	2.	64.	23.2058
454	USHER, RECREAT $ AMUS	25.	20.	0.7952
455	WELFARE SVC AIDES	0.	32.	34.6287
456	PROTECTIVE SERVICE WORKER	1058.	1236.	1.1678
457	CROSSING GUARD $ BRIDGE	75.	82.	1.0961
458	FIREMEN, FIREPROTECTION	69.	117.	1.6817
459	GUARD $ WATCHMEN	603.	587.	0.9738
460	MARSHAL $ CONSTABLE	0.	12.	12.8127
461	POLICEMEN $ DETECTIVES	302.	423.	1.4004
462	SHERIFFS $ BAILIFFS	8.	12.	1.5587
463	PRIVATE HOUSE WORKERS	1754.	750.	0.4277
464	CHILD CARE WORKER PRV HHD	361.	78.	0.2175
465	COOKS PRV HHD	38.	31.	0.8197
466	HOUSEKEEPER PRV HHD	150.	52.	0.3467
467	LAUNDRESS PRV HHD	40.	0.	0.0000
468	MAID $ SERVANT PRV HHD	1164.	588.	0.5051
469	OCCUPATION NOT REPORTED	4805.	6258.	1.3024

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN SCRANTON

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL CCC	88691.	97106.	1.0948
2	PROF TECH AND KINDRED	7877.	11534.	1.4641
3	ACCOUNTANTS	328.	574.	1.7500
4	ARCHITECTS	17.	55.	3.1058
5	COMPUTER SPECIALISTS	9.	145.	15.1439
6	COMPUTER PROGRAMMERS	6.	102.	15.7749
7	COMP SYSTEMS ANALYSTS	2.	31.	12.1573
8	COMPUTER SPEC. NEC	0.	11.	22.1264
9	ENGINEERS	626.	678.	1.0827
10	AERONAUT AND ASTRON ENG	13.	6.	0.5020
11	CHEMICAL ENGINEERS	36.	9.	0.2645
12	CIVIL ENGINEERS	112.	117.	1.0475
13	ELECTR AND ELECTRO ENG	107.	164.	1.5308
14	INDUSTRIAL ENGINEERS	127.	137.	1.0778
15	MECHANICAL ENGINEERS	105.	70.	0.6665
16	METALLUR AND MATER ENG	18.	10.	0.5568
17	MINING ENGINEERS	12.	4.	0.3547
18	PETORLEUM ENGINEERS	11.	0.	0.0297
19	SALES ENGINEERS	32.	18.	0.5635
20	ENGINEERS, NEC	48.	138.	2.8214
21	FARM MANAGEMENT ADVISORS	4.	8.	1.8145
22	FORESTOR $ CONSRVATIONIST	39.	34.	0.8910
23	HOME MANAGEMENT ADVISORS	7.	3.	0.4906
24	LAWYERS AND JUDGES	129.	122.	0.9448
25	JUDGES	5.	13.	2.2840
26	LAWYERS	123.	108.	0.8816
27	LIBRARIANS ARCHIV CURATOR	77.	195.	2.5311
28	LIBRARIANS	76.	186.	2.4532
29	ARCHIVISTS AND CURATORS	1.	8.	7.7225
30	MATHEMATICAL SPECIALISTS	5.	9.	1.5278
31	ACTUARIES	0.	3.	3.4764
32	MATHEMATICIANS	2.	4.	2.1481
33	STATISTICIANS	2.	0.	0.3251
34	LIFE $ PHYSICAL SCIENT.	137.	91.	0.6643
35	AGRICULTURAL SCIENTISTS	12.	7.	0.6019
36	ATMOSPHERIC $ SPACE SCI	2.	1.	0.6581
37	BIOLOGICAL SCIENTISTS	3.	18.	4.6566
38	CHEMISTS	104.	51.	0.4966
39	GEOLOGISTS	3.	2.	0.7215
40	MARINE SCIENTISTS	0.	0.	0.2361
41	PHYSICISTS AND ASTRONOM	6.	8.	1.2446
42	LIFE AND PHYS SCIEN NEC	4.	1.	0.3099
43	OPERATIONS $ SYST RESEAR	18.	33.	1.8252
44	PERSONNEL $ LABOR REL WOK	84.	212.	2.5083
45	PHYSICIANS,DENTISTS $ REL	505.	568.	1.1231
46	CHIROPRACTORS	26.	24.	0.9386
47	DENTISTS	119.	104.	0.8739
48	OPTOMETRISTS	16.	31.	1.8612
49	PHARMACISTS	78.	110.	1.4145
50	PHYSICIANS& MED $ OSTEO	236.	286.	1.2069
51	PODIATRISTS	8.	7.	0.8532
52	VETERINARIANS	20.	3.	0.1678
53	HEALTH PRACTITIONERS NE	0.	0.	0.6160
54	NURSES, DIETITIANS $ THER	1028.	1350.	1.3130
55	DIETITIANS	26.	46.	1.7502

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN SCRANTON

		1960	1970	1960-70
56	REGISTERED NURSES	978.	1227.	1.2541
57	THERAPISTS	23.	76.	3.2805
58	HEALTH TECHNOLOG $ TECHIC	115.	278.	2.4088
59	CLIN LAB TECHNO $ TECHN	50.	122.	2.4431
60	DENTAL HYGIENISTS	5.	15.	2.8527
61	HEALTH RECORD TECH	9.	13.	1.4726
62	RADIOLOGIC TECH	33.	65.	1.9402
63	THERAPY ASSISTANTS	0.	2.	3.9729
64	HEALTH TECH, NEC	16.	59.	3.5689
65	RELIGIOUS WORKERS	447.	218.	0.4874
66	CLERGYMEN	397.	200.	0.5037
67	RELIGIOUS WORKERS, NEC	49.	17.	0.3572
68	SOCIAL SCIENTISTS	27.	51.	1.8604
69	ECONOMISTS	15.	14.	0.8855
70	POLITICAL SCIENTISTS	0.	0.	0.3721
71	PSYCHOLOGISTS	9.	24.	2.6197
72	SOCIOLOGISTS	0.	1.	1.3721
73	URBAN AND REG PLANNERS	0.	9.	13.6855
74	SOCIAL SCIENTISTS, NEC	0.	0.	0.5885
75	SOCIAL AND RECR WORKERS	127.	165.	1.3008
76	SOCIAL WORKERS	101.	143.	1.4133
77	RECREATION WORKERS	25.	22.	0.8609
78	TEACHERS, COLLEGE $ UNIV	297.	1372.	4.6071
79	AGRICULTURE TEACHERS	6.	12.	1.9958
80	ATMOS, EARTH, MAR $ SPA	0.	28.	31.0956
81	BIOLOGY TEACHERS	12.	55.	4.2438
82	CHEMISTRY TEACHERS	13.	46.	3.4541
83	PHYSICS TEACHERS	14.	35.	2.4244
84	ENGINEERING TEACHERS	15.	56.	3.5748
85	MATHEMATICS TEACHERS	17.	78.	4.6060
86	HEALTH SPECIALT TEACHER	8.	77.	9.6348
87	PSYCHOLOGY TEACHERS	1.	29.	16.2844
88	BUS. $ COMMERCE TEACHER	10.	23.	2.3220
89	ECONOMICS TEACHERS	5.	46.	8.0385
90	HISTORY TEACHERS	14.	32.	2.2543
91	SOCIOLOGY TEACHERS	0.	18.	20.0615
92	SOCIAL SC TEACHERS NEC	6.	23.	3.5795
93	ART, DRAMA $ MUSIC TEAC	15.	64.	4.2858
94	COACHES $ PHYSICAL ED	10.	40.	3.8995
95	EDUCATION TEACHERS	10.	13.	1.3261
96	ENGLISH TEACHERS	32.	109.	3.3458
97	FOREIGN LANG TEACHERS	11.	72.	6.1221
98	HOME ECONOMICS TEACHERS	0.	2.	2.5643
99	LAW TEACHERS	0.	8.	9.2631
100	THEOLOGY TEACHERS	3.	34.	10.0014
101	TRADE, IND $ TECH TEACH	0.	4.	5.0300
102	MISCELL. TEACHERS, COLL	8.	37.	4.2194
103	TEACHERS, CC $ UNIV NEC	74.	417.	5.6315
104	TEACHERS, EX CC $ UNIV	2684.	3470.	1.2927
105	ADULT EDUCATION TEACHER	47.	43.	0.9273
106	ELEMENTARY SCH TEACHERS	1410.	1705.	1.2089
107	PREKIND $ KINDERG TEACH	96.	120.	1.2591
108	SECONDARY SCH TEACHERS	962.	1336.	1.3890
109	TEACHERS, NEC	168.	263.	1.5648
110	ENGN $ SC TECHNICIANS	643.	895.	1.3915

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN SCRANTON

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	46.	23.	0.4933
112	CHEMICAL TECHNICIANS	62.	9.	0.1589
113	DRAFTMEN	244.	409.	1.6754
114	ELEC $ ELECTRON ENG TEC	75.	125.	1.6600
115	IND ENG TECHNICIANS	19.	30.	1.5889
116	MECHNICAL ENG TECH	16.	8.	0.5094
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	56.	99.	1.7778
119	ENG $ SC TECH, NEC	122.	188.	1.5391
120	TECHN, EX HEAL ENG $ SC	44.	60.	1.3635
121	AIRPLANE PILOTS	9.	13.	1.4222
122	AIR TRAFFIC CONTROLLERS	4.	3.	0.8964
123	EMBALMERS	16.	5.	0.3418
124	FLIGHT ENGINEERS	0.	0.	0.0062
125	RADIO OPERATORS	6.	11.	1.7942
126	TOOL PROGRAMMER, NUM CO	2.	1.	0.6875
127	TECHNICIANS NEC	4.	24.	5.0513
128	VOCATION AND ED COUNSELOR	24.	121.	4.8732
129	WRITER, ARTIST $ ENTERTNR	382.	655.	1.7133
130	ACTORS	5.	2.	0.4839
131	ATHLETES $ KINDRED WORKER	24.	21.	0.8543
132	AUTHORS	8.	24.	2.9191
133	DANCERS	3.	0.	0.2095
134	DESIGNERS	33.	67.	2.0110
135	EDITORS AND REPORTERS	85.	201.	2.3590
136	MUSICIANS $ COMPOSERS	87.	62.	0.7147
137	PAINTERS AND SCULPTORS	51.	80.	1.5473
138	PHOTOGRAPHERS	43.	83.	1.9113
139	PUB REL MEN $ PUB WRITR	10.	34.	3.1302
140	RADIO $ TV ANNOUNCERS	12.	43.	3.4434
141	WRITER ARTIST $ ENT NEC	14.	32.	2.2763
142	RESEARCH WORKERS NOT SPEC	62.	161.	2.6007
143	MANAGER $ ADM, EXC FARM	6216.	5542.	0.8914
144	ASSESSOR CONTR $ TREAS	34.	50.	1.4384
145	BANK OFFICER $ FIN MANG	24.	266.	10.9128
146	BUYER $ SHIPPER, FARM	24.	22.	0.9315
147	BUYER, WHOL $ RET TRADE	79.	209.	2.6475
148	CREDIT MEN	28.	40.	1.4004
149	FUNERAL DIRECTORS	75.	109.	1.4568
150	HEALTH ADMINISTRATORS	9.	73.	7.6806
151	CONSTRUCTION INSPECTORS	17.	16.	0.9670
152	INSPECTOR, EXC CONSTRUC	55.	48.	0.8691
153	MANAGER $ SUPERINT, BLD	4.	18.	4.2725
154	OFFICE MANAGERS NEC	25.	20.	0.8070
155	OFFICER PILOT PURS SHIP	3.	0.	0.0845
156	OFFIC $ ADM, PUB AD NEC	237.	165.	0.6969
157	OFF OF LODGE SO $ UNION	39.	24.	0.6214
158	POSTMASTER $ MAIL SUPER	108.	54.	0.5056
159	PURCH AGT $ BUYER NEC	80.	123.	1.5216
160	RAILROAD CONDUCTORS	108.	58.	0.5387
161	RESTAUR CAFET $ BAR MAN	315.	315.	0.9993
162	SALES MANAGERS, RET TRD	92.	201.	2.1845
163	SALES MANAGERS, EXC RET	58.	146.	2.5237
164	SCHOOL ADM, COLLEGE	15.	107.	6.8091
165	SCHOOL ADM, EL $ SECOND	176.	174.	0.9915

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN SCRANTON

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	4601.	3292.	0.7155
167	SALES WORKERS	5911.	6535.	1.1055
168	ADVERTISING AGT $ SALES	27.	76.	2.8429
169	AUCTIONEERS	7.	5.	0.7135
170	DEMONSTRATORS	21.	43.	1.9751
171	HUCKSTERS $ PEDDLERS	37.	154.	4.1555
172	INS AGT BRKR UNDERWRTRS	447.	809.	1.8076
173	NEWSBOYS	346.	146.	0.4225
174	REAL EST AGT $ BROKERS	58.	94.	1.6200
175	STOCK $ BOND SALESMEN	23.	83.	3.5778
176	SALES REPRSTTV, MFG IND	552.	243.	0.4411
177	SALES REPRSTTIV, WHO TR	577.	788.	1.3649
178	SALES CLERKS, RET TRADE	3005.	3476.	1.1566
179	SALESMEN, RETAIL TRADE	550.	407.	0.7400
180	SALESMEN OF SVC $ CONST	254.	203.	0.8021
181	CLERICAL $ KIND WORKERS	8878.	12445.	1.4018
182	BANK TELLERS	209.	319.	1.5260
183	BILLING CLERKS	43.	144.	3.2786
184	BOOKKEEPERS	934.	1557.	1.6666
185	CASHIERS	510.	997.	1.9535
186	CLERICAL ASST, SOC WELF	0.	0.	0.5331
187	CLERICAL SUPERV, NEC	58.	80.	1.3754
188	COLLECTOR, BILL $ ACCT	34.	42.	1.2482
189	COUNTER CLERK, EX FOOD	129.	232.	1.7938
190	DISPATCHER $ STARTERS	44.	56.	1.2550
191	ENUMERATOR $ INTERVIEWR	115.	116.	1.0116
192	ESTIMATOR $ INV NEC	154.	136.	0.8804
193	EXPEDITER $ PROD CONTRL	164.	197.	1.2039
194	FILE CLERKS	78.	305.	3.8945
195	INSUR ADJUSTER, EXAM	30.	69.	2.3023
196	LIBRARY ATTENDANT	37.	182.	4.9169
197	MAIL CARRIER, POST OFF	250.	169.	0.6755
198	MAIL HANDLER, EX POST	68.	121.	1.7686
199	MESSENGER $ OFF BOY	14.	30.	2.0542
200	METER READER, UTILITIES	45.	31.	0.6931
201	OFFICE MACHINE OPERATORS	102.	414.	4.0403
202	BOOKKPNG $ BILL MACH OP	17.	31.	1.7866
203	CALCULATING MACH OP	10.	13.	1.2481
204	COMPUTER $ PERIPH EQUIP	0.	92.	142.5358
205	DUPLICATING MACH OP	5.	19.	3.7309
206	KEYPUNCH OPERATORS	52.	231.	4.4364
207	TABULATING MACH OP	10.	3.	0.3910
208	OFFICE MACH OP, NEC	6.	22.	3.5833
209	PAYROLL $ TIMEKPNG CLERKS	138.	232.	1.6771
210	POSTAL CLERKS	221.	193.	0.8763
211	PROOFREADERS	17.	76.	4.4727
212	REAL ESTATE APPRAISERS	13.	15.	1.1573
213	RECEPTIONISTS	135.	237.	1.7485
214	SECRETARIES	1455.	2501.	1.7179
215	SECRETARIES, LEGAL	34.	42.	1.2548
216	SECRETARIES, MEDICAL	34.	98.	2.8885
217	SECRETARIES, NEC	1387.	2359.	1.7005
218	SHIPPING $ RECEIV CLERKS	385.	710.	1.8407
219	STATISTICAL CLERKS	150.	179.	1.1906
220	STENOGRAPHERS	253.	75.	0.2980

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN SCRANTON

		1960	1970	1960-70
221	STOCK CLERKS & STOREKEEPE	394.	516.	1.3101
222	TEACHER AIDES, EX SCHL MD	13.	169.	12.3133
223	TELEGRAPH MESSENGERS	2.	1.	0.5201
224	TELEGRAPH OPERATORS	29.	9.	0.3369
225	TELEPHONE OPERATORS	386.	324.	0.8388
226	TICKET, STATION & EXP AGT	50.	28.	0.5677
227	TYPISTS	211.	764.	3.6128
228	WEIGHERS	52.	61.	1.1908
229	MISCELLANEOUS CLERICAL	340.	421.	1.2390
230	NOT SPECIFIED CLERIC WORK	1599.	720.	0.4503
231	CRAFTMEN AND KINDRED WRK	13933.	12356.	0.8868
232	AUTO ACCESS INSTALLERS	12.	3.	0.3215
233	BAKERS	173.	213.	1.2336
234	BLACKSMITHS	74.	12.	0.1736
235	BOILERMAKERS	35.	26.	0.7459
236	BOOKBINDERS	39.	133.	3.3552
237	BRICKMASON & STONEMASON	231.	179.	0.7762
238	BRICK & STONEMASON APPAR	2.	6.	2.2137
239	BULLDOZER OPERATORS	176.	82.	0.4713
240	CABINETMAKERS	99.	81.	0.8137
241	CARPENTERS	1151.	888.	0.7712
242	CARPENTER APPRENTICES	3.	14.	4.3013
243	CARPET INSTALLERS	22.	44.	1.9662
244	CEMENT & CONCRETE FINSHER	20.	34.	1.7146
245	COMPOSITOR & TYPESETTER	239.	346.	1.4454
246	PRINT APPRENT, EXC PRESS	18.	15.	0.8299
247	CRANEMEN DERRICKMEN HOIST	385.	238.	0.6194
248	DECORATOR & WINDOW DRESSE	51.	72.	1.4035
249	DENTAL LAB TECHNICIANS	11.	23.	2.0766
250	ELECTRICIANS	466.	427.	0.9155
251	ELECTRICIAN APPRENTICES	7.	19.	2.6543
252	ELEC POWER LINE & CABLEMN	103.	151.	1.4735
253	ELECTRO & STEREOTYPERS	3.	10.	2.6954
254	ENGRAVERS, EXC PHOTOGRAVR	3.	8.	2.3522
255	EXCAVATING GRADING OPERTR	390.	325.	0.8330
256	FLOOR LAYER EXC TILE SETR	27.	17.	0.6163
257	FOREMEN NEC	1954.	2144.	1.0974
258	FOREMEN AND HAMMERMEN	37.	50.	1.3336
259	FURNITURE & WOOD FINISHER	37.	23.	0.6370
260	FURRIERS	8.	2.	0.3106
261	GLAZIERS	12.	14.	1.1076
262	HEAT TREATER ANNEALER	45.	28.	0.6181
263	INSPECTOR, LOG & LUMBER	9.	6.	0.6591
264	INSPECTORS, NEC	255.	210.	0.8248
265	JEWELERS AND WATCHMAKERS	43.	39.	0.8953
266	JOB & DIE SETTER, METAL	49.	124.	2.5372
267	LOCOMOTIVE ENGINEERS	158.	56.	0.3535
268	LOCOMOTIVE FIREMEN	112.	21.	0.1876
269	MACHINISTS	904.	506.	0.5601
270	MACHINIST APPRENTICES	15.	22.	1.4132
271	MECHANICS AND REPAIRMEN	3526.	3021.	0.8567
272	AIRCON HEAT & REFRGRTR	65.	112.	1.7245
273	AIRCRAFT	32.	17.	0.5458
274	AUTO BODY REPAIRMEN	130.	177.	1.3594
275	AUTO MECHANICS	1009.	1096.	1.0853

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN SCRANTON

		1960	1970	1960-70
276	AUTO MECHANIC APPR	1.	4.	2.7265
277	DATA PROCESS MACH REPR	0.	14.	14.4794
278	FARM IMPLEMENT	67.	36.	0.5490
279	HEAVY EQUIP MECHANICS	452.	881.	1.9459
280	HOUSEHOLD APPL $ ACC	144.	116.	0.8082
281	LOOM FIXERS	41.	49.	1.2016
282	OFFICE MACHINE	18.	30.	1.6093
283	RADIO AND TV	133.	108.	0.8115
284	RAILROAD AND CAR SHOP	285.	117.	0.4123
285	MECHANIC EX AUTO APPR	8.	5.	0.6176
286	MISCELL MECHAN $ REPAIR	279.	152.	0.5464
287	NOT SPEC MECH $ REPAIR	853.	98.	0.1152
288	MILLER GRAIN FLOUR $ FEED	27.	15.	0.5432
289	MILLWRIGHTS	107.	55.	0.5145
290	MOLDERS, METAL	131.	80.	0.6094
291	MOLDER APPRENTICES	0.	0.	2.2355
292	MOTION PIC PROJECTIONISTS	17.	11.	0.6942
293	OPTICIAN $ LENS GRINDER	12.	21.	1.6915
294	PRINTER, CONST $ MAINTENC	367.	277.	0.7553
295	PAINTER APPRENTICES	0.	1.	6.5638
296	PAPERHANGERS	24.	8.	0.3697
297	PATTERN $ MODEL MAKER	51.	36.	0.7052
298	PHOTOENGRAVER $ LITHOGRPH	13.	14.	1.0918
299	PIANO $ ORGAN TUNER $ REP	5.	4.	0.9102
300	PLASTERERS	76.	38.	0.5116
301	PLASTERER APPRENTICES	0.	0.	6.4915
302	PLUMBER $ PIPE FITTER	422.	346.	0.8191
303	PLUMBER $ PIPE FIT APPR	7.	15.	2.2073
304	POWER STATION OPERATORS	52.	13.	0.2489
305	PRESSMEN $ PLATE PRINTER	82.	318.	3.8414
306	PRESSMAN APPRENTICES	3.	5.	1.6975
307	ROLLER $ FINISHER,METAL	85.	26.	0.3098
308	ROOFER AND SLATER	43.	61.	1.4001
309	SHEETMETAL WORKER $ TINSM	108.	83.	0.7734
310	SHEETMETAL APPRENTICES	2.	3.	1.4442
311	SHIPFITTERS	12.	0.	0.0022
312	SHOE REPAIRMEN	46.	59.	1.2871
313	SIGN PAINTERS $ LETTERER	28.	20.	0.7065
314	STATIONARY ENGINEERS	382.	118.	0.3096
315	STONE CUTTER $ CARVER	28.	5.	0.1856
316	STRUCTURAL METAL DRAFTMEN	78.	93.	1.1897
317	TAILORS	92.	281.	3.0565
318	TELEPHONE INST $ REPAIRMN	202.	221.	1.0952
319	TELEPHONE LINEMEN $SPLICR	55.	77.	1.3840
320	TILE SETTER	58.	12.	0.2138
321	TOOL AND DIE MAKERS	173.	219.	1.2642
322	TOOL AND DIE MAKER APPR	9.	12.	1.3591
323	UPHOLSTERERS	76.	63.	0.8235
324	SPECIFIED CRAFT APPR, NEC	14.	6.	0.4632
325	NOT SPEC APPRENTICES	7.	2.	0.2890
326	DRAFTMEN $ KIND WRKR NEC	95.	66.	0.6981
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	20247.	23618.	1.1664
329	ASBESTOS $ INSUL WORKERS	8.	0.	0.0324
330	ASSEMBLERS	987.	1160.	1.1749

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN SCRANTON

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	17.	9.	0.5705
332	BOTTLING $ CANNING OPERT	110.	78.	0.7145
333	CHAINMEN RODMEN $ AXMEN	13.	9.	0.7248
334	CHECKER EXAMINER INS,MFG	1040.	1463.	1.4066
335	CLOTHING IRONER $ PRESSER	315.	902.	2.8608
336	CUTTING OPERATIVE NEC	1034.	576.	0.5572
337	DRESSMAKER $SEAMSTRESS	163.	130.	0.8000
338	DRILLERS, EARTH	247.	61.	0.2502
339	DRY WALL INSTALLER $ LATH	71.	4.	0.0666
340	DYERS	14.	46.	3.1718
341	FILER POLISHER SANDER	252.	192.	0.7627
342	FURNACEMEN SMELTERMEN	166.	93.	0.5641
343	GARAGE WORKERS $ GAS STAT	519.	369.	0.7113
344	GRADER $SORTER, MFG	68.	95.	1.3928
345	PRODUCE GRADER $ PACKER	54.	18.	0.3377
346	HEATER, METAL	33.	7.	0.2267
347	LAUNDRY $ DRY CLNG OP NEC	157.	227.	1.4436
348	MEAT CUTTER $ BUTCHER	242.	375.	1.5485
349	MEAT CUTTER $ BUTCHER MFG	158.	65.	0.4121
350	MEAT WRAPPER RETAIL TRADE	51.	79.	1.5498
351	METAL PLATERS	58.	36.	0.6248
352	MILLINERS	1.	0.	0.0591
353	MINE OPERATIVES NEC	1291.	144.	0.1119
354	MIXING OPERATIVES	114.	73.	0.6411
355	OILER AND GREASER, EX AUT	116.	65.	0.5593
356	PACKER $ WRAPPER EX MEAT	653.	1158.	1.7719
357	PAINTER, MFG ARTICLES	207.	167.	0.8072
358	PHOTOG PROCESS WORKERS	33.	70.	2.0927
359	PRECISION MACHINE OPERATV	497.	722.	1.4538
360	DRILL PRESS OPERATIVES	115.	114.	0.9889
361	GRINDING MACHINE OPERTV	126.	237.	1.8865
362	LATHE $ LILLING MACH OP	170.	271.	1.5860
363	PRECISION MACH OP NEC	84.	99.	1.1779
364	PUNCH $ STAMPING PRESS OP	325.	231.	0.7117
365	RIVETER AND FASTNERS	50.	56.	1.1118
366	SAILORS AND DECKHANDLERS	1.	0.	0.8431
367	SAWYERS	181.	111.	0.6130
368	SEWERS AND STICHERS	3245.	7342.	2.2625
369	SHOEMAKING MACH OPRTV	267.	193.	0.7223
370	SOLDERERS	149.	54.	0.3656
371	STATIONARY FIREMEN	269.	140.	0.5221
372	TEXTILE OPERATIVES	1035.	1159.	1.1191
373	CARDING LAPPING OP	81.	19.	0.2451
374	KNITTING LOOPER TOPPER	96.	100.	1.0433
375	SPINNER TWISTER $ WINDE	299.	476.	1.5927
376	WEAVERS	163.	130.	0.7931
377	TEXTILE OP NEC	395.	432.	1.0939
378	WELDERS $ FLAMECUTTERS	923.	1029.	1.1148
379	WINDING OP NEC	98.	122.	1.2468
380	MACHINE OP, MISC SPECIFD	1472.	1952.	1.3258
381	MACHINE OP NOT SPECIFIED	1227.	952.	0.7758
382	MISCELL OPERATIVES	1588.	1211.	0.7628
383	NOT SPECIFIED OPERATIVES	704.	646.	0.9176
384	TRANSPORT EQUIPMENT OPERT	3912.	4208.	1.0756
385	BOATMEN AND CANALMEN	6.	1.	0.1659

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN SCRANTON

		1960	1970	1960-70
386	BUS DRIVERS	185.	219.	1.1814
387	CONDUCTOR $ MOTORMEN	0.	8.	8.2717
388	DELIVERYMEN $ ROUTEMEN	516.	1063.	2.0602
389	FORK LIFT $ TOW MOTOR OP	207.	289.	1.3991
390	MOTORMEN MINE FACTORY ETC	87.	13.	0.1532
391	PARKING ATTENDANTS	41.	26.	0.6360
392	RAILROAD BRAKEMEN	287.	89.	0.3120
393	RIALROAD SWITCHMEN	69.	39.	0.5604
394	TAXICAB DRIVERS $ CHAUFFR	62.	83.	1.3360
395	TRUCK DRIVERS	2448.	2374.	0.9698
396	LABORERS, EX FARM	6661.	4484.	0.6731
397	ANIMAL CARETAKER EX FARM	51.	15.	0.2927
398	CARPENTERS HELPERS	33.	45.	1.3431
399	CONSTRUCT LABOR EXC CARP	1619.	842.	0.5198
400	FISHERMEN AND OYSTERMEN	4.	1.	0.4103
401	FREIGHT $ MATERIAL HANDLR	1062.	825.	0.7770
402	GARBAGE COLLECTORS	70.	56.	0.7960
403	GARDNERS AND GROUNDKEEPER	230.	143.	0.6245
404	LONGSHOREMEN $ STEVEDORES	0.	21.	21.3538
405	LUMBERMEN RAFTMEN $ WDCHP	181.	28.	0.1594
406	STOCK HANDLERS	656.	936.	1.4252
407	TEAMSTERS	14.	3.	0.2587
408	VEHICLE WASHER $ EQUIP CL	266.	161.	0.6074
409	WAREHOUSEMEN NEC	101.	113.	1.1174
410	MISCELL LABORERS	627.	308.	0.4916
411	NOT SPECIFIED LABORERS	1740.	980.	0.5631
412	FARMERS AND FARM MANAGERS	2331.	347.	0.1489
413	FARMERS OWNERS $ TENANTS	2263.	333.	0.1472
414	FARM MANAGERS	68.	14.	0.2054
415	FARM LABORER $ FOREMEN	1764.	205.	0.1166
416	FARM FOREMEN	7.	3.	0.4725
417	FARM LABORER WAGE WORKER	1316.	165.	0.1253
418	FARM LABORER UNPAID FAM W	437.	36.	0.0833
419	FARM SERVICE LABOR, SELF	1.	0.	0.3116
420	SERVICE WORKER EX PRI HHD	6676.	9816.	1.4702
421	CLEANING SERVICE WORKER	1753.	2428.	1.3850
422	CHAMBERMAID EX PRV HHD	151.	175.	1.1570
423	CLEANERS $ CHARWOMEN	373.	610.	1.6357
424	JANITOR AND SEXTON	1226.	1643.	1.3370
425	FOOD SERVICE WORKERS	2242.	3497.	1.5593
426	BARTENDERS	350.	358.	1.0251
427	BUSBOYS	98.	60.	0.6115
428	COOKS EX PR HHD	10.	970.	91.8625
429	DISHWASHERS	142.	236.	1.6558
430	FOOD COUNTER $ FOUNTAIN	169.	165.	0.9747
431	WAITERS	1179.	1172.	0.9941
432	FOOD SERVICE WRKR NEC	291.	533.	1.8280
433	HEALTH SERVICE WORKERS	973.	1471.	1.5117
434	DENTAL ASSISTANTS	41.	53.	1.3073
435	HEALTH AIDES EX NURSEIN	35.	116.	3.2546
436	HEALTH TRAINEES	82.	0.	0.0067
437	LAY MIDWIFE	0.	0.	1.3730
438	NURSING AIDE ORDERLY	599.	887.	1.4816
439	PRACTICAL NURSES	214.	412.	1.9279
440	PERSONAL SERVICE WORKERS	1045.	1607.	1.5374

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN SCRANTON

		1960	1970	1960-70
441	AIRLINE STEWARDESS	13.	0.	0.0445
442	ATTENDANT, RECREAT $ AM	100.	42.	0.4266
443	ATTENDANT, PERS SRV NEC	90.	43.	0.4846
444	BAGGAGE PORTER $ BELLHO	11.	8.	0.6937
445	BARBERS	229.	351.	1.5353
446	BOADING $ LODGING HSEKP	6.	2.	0.3240
447	BOOTBLACKS	21.	3.	0.1813
448	CHILD CARE EX PR HHD	37.	160.	4.3328
449	ELEVATOR OPERATORS	24.	35.	1.4382
450	HAIRDRESSER $ COSMETOL	376.	786.	2.0896
451	PERSONAL SVC APPRENTICE	1.	0.	0.5284
452	HOUSEKEEPER EX PR HHD	113.	125.	1.1107
453	SCHOOL MONITORS	2.	27.	12.9869
454	USHER, RECREAT $ AMUS	16.	11.	0.7257
455	WELFARE SVC AIDES	0.	5.	8.0220
456	PROTECTIVE SERVICE WORKER	661.	811.	1.2270
457	CROSSING GUARD $ BRIDGE	29.	30.	1.0183
458	FIREMEN, FIREPROTECTION	56.	72.	1.2721
459	GUARD $ WATCHMEN	366.	417.	1.1393
460	MARSHAL $ CONSTABLE	3.	2.	0.6209
461	POLICEMEN $ DETECTIVES	191.	275.	1.4399
462	SHERIFFS $ BAILIFFS	13.	13.	1.0040
463	PRIVATE HOUSE WORKERS	1123.	546.	0.4861
464	CHILD CARE WORKER PRV HHD	230.	99.	0.4302
465	COOKS PRV HHD	25.	16.	0.6519
466	HOUSEKEEPER PRV HHD	96.	61.	0.6404
467	LAUNDRESS PRV HHD	25.	7.	0.2891
468	MAID $ SERVANT PRV HHD	745.	361.	0.4846
469	OCCUPATION NOT REPORTED	3156.	5465.	1.7316

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN WILKES-BARRE

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL OCC	119034.	135596.	1.1391
2	PROF TECH AND KINDRED	9532.	13293.	1.3945
3	ACCOUNTANTS	617.	747.	1.2112
4	ARCHITECTS	22.	59.	2.6477
5	COMPUTER SPECIALISTS	10.	145.	13.8557
6	COMPUTER PROGRAMMERS	7.	107.	15.1178
7	COMP SYSTEMS ANALYSTS	2.	28.	9.6829
8	COMPUTER SPEC. NEC	0.	10.	20.1790
9	ENGINEERS	572.	975.	1.7051
10	AERONAUT AND ASTRON ENG	0.	6.	6.0343
11	CHEMICAL ENGINEERS	11.	19.	1.7215
12	CIVIL ENGINEERS	136.	171.	1.2569
13	ELECTR AND ELECTRO ENG	102.	175.	1.7061
14	INDUSTRIAL ENGINEERS	71.	225.	3.1666
15	MECHANICAL ENGINEERS	96.	102.	1.0598
16	METALLUR AND MATER ENG	6.	17.	2.4503
17	MINING ENGINEERS	28.	10.	0.3544
18	PETORLEUM ENGINEERS	23.	0.	0.0000
19	SALES ENGINEERS	32.	92.	2.8799
20	ENGINEERS, NEC	62.	155.	2.4791
21	FARM MANAGEMENT ADVISORS	0.	0.	0.0000
22	FORESTOR $ CONSRVATIONIST	19.	26.	1.3230
23	HOME MANAGEMENT ADVISORS	8.	4.	0.4556
24	LAWYERS AND JUDGES	277.	251.	0.9077
25	JUDGES	14.	5.	0.3592
26	LAWYERS	263.	246.	0.9368
27	LIBRARIANS ARCHIV CURATOR	41.	140.	3.4106
28	LIBRARIANS	40.	140.	3.4782
29	ARCHIVISTS AND CURATORS	0.	0.	0.0000
30	MATHEMATICAL SPECIALISTS	10.	0.	0.0000
31	ACTUARIES	0.	0.	0.0000
32	MATHEMATICIANS	3.	0.	0.0000
33	STATISTICIANS	5.	0.	0.0000
34	LIFE $ PHYSICAL SCIENT.	77.	97.	1.2543
35	AGRICULTURAL SCIENTISTS	0.	18.	18.0835
36	ATMOSPHERIC $ SPACE SCI	1.	5.	3.8506
37	BIOLOGICAL SCIENTISTS	3.	7.	1.7829
38	CHEMISTS	63.	59.	0.9287
39	GEOLOGISTS	0.	4.	4.0235
40	MARINE SCIENTISTS	0.	0.	0.0000
41	PHYSICISTS AND ASTRONOM	7.	4.	0.5151
42	LIFE AND PHYS SCIEN NEC	0.	0.	0.0000
43	OPERATIONS $ SYST RESEAR	20.	37.	1.7857
44	PERSONNEL $ LABOR REL WOK	116.	269.	2.3208
45	PHYSICIANS,DENTISTS $ REL	905.	828.	0.9156
46	CHIROPRACTORS	26.	41.	1.5477
47	DENTISTS	197.	173.	0.8765
48	OPTOMETRISTS	29.	26.	0.8841
49	PHARMACISTS	204.	225.	1.1039
50	PHYSICIANS& MED $ OSTEO	419.	333.	0.7967
51	PODIATRISTS	7.	18.	2.4136
52	VETERINARIANS	20.	11.	0.5306
53	HEALTH PRACTITIONERS NE	0.	0.	0.0000
54	NURSES, DIETITIANS $ THER	1354.	2121.	1.5660
55	DIETITIANS	29.	23.	0.7819

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN WILKES-BARRE

		1960	1970	1960-70
56	REGISTERED NURSES	1303.	1989.	1.5267
57	THERAPISTS	21.	108.	4.9679
58	HEALTH TECHNOLOG $ TECHIC	143.	304.	2.1286
59	CLIN LAB TECHNO $ TECHN	67.	133.	1.9720
60	DENTAL HYGIENISTS	5.	19.	3.1914
61	HEALTH RECORD TECH	4.	12.	2.4973
62	RADIOLOGIC TECH	48.	85.	1.7657
63	THERAPY ASSISTANTS	1.	0.	0.0000
64	HEALTH TECH, NEC	15.	54.	3.6094
65	RELIGIOUS WORKERS	620.	440.	0.7105
66	CLERGYMEN	417.	426.	1.0215
67	RELIGIOUS WORKERS, NEC	202.	14.	0.0695
68	SOCIAL SCIENTISTS	36.	53.	1.4594
69	ECONOMISTS	12.	25.	2.0862
70	POLITICAL SCIENTISTS	0.	0.	0.0000
71	PSYCHOLOGISTS	23.	19.	0.8073
72	SOCIOLOGISTS	0.	0.	0.0000
73	URBAN AND REG PLANNERS	0.	9.	11.2820
74	SOCIAL SCIENTISTS, NEC	0.	0.	0.0000
75	SOCIAL AND RECR WORKERS	256.	394.	1.5385
76	SOCIAL WORKERS	197.	337.	1.7080
77	RECREATION WORKERS	58.	56.	0.9643
78	TEACHERS, COLLEGE $ UNIV	215.	601.	2.7911
79	AGRICULTURE TEACHERS	5.	4.	0.8960
80	ATMOS, EARTH, MAR $ SPA	0.	5.	7.6557
81	BIOLOGY TEACHERS	9.	42.	4.6228
82	CHEMISTRY TEACHERS	9.	27.	2.7319
83	PHYSICS TEACHERS	11.	24.	2.0907
84	ENGINEERING TEACHERS	12.	10.	0.8252
85	MATHEMATICS TEACHERS	12.	11.	0.8626
86	HEALTH SPECIALT TEACHER	5.	30.	5.4004
87	PSYCHOLOGY TEACHERS	1.	14.	9.6881
88	BUS. $ COMMERCE TEACHER	6.	11.	1.6773
89	ECONOMICS TEACHERS	4.	18.	4.2634
90	HISTORY TEACHERS	10.	33.	3.1124
91	SOCIOLOGY TEACHERS	0.	7.	10.4677
92	SOCIAL SC TEACHERS NEC	4.	10.	2.6017
93	ART, DRAMA $ MUSIC TEAC	15.	30.	2.0200
94	COACHES $ PHYSICAL ED	4.	18.	3.8608
95	EDUCATION TEACHERS	6.	7.	1.0733
96	ENGLISH TEACHERS	22.	92.	4.1549
97	FOREIGN LANG TEACHERS	7.	26.	3.5797
98	HOME ECONOMICS TEACHERS	0.	1.	1.9920
99	LAW TEACHERS	0.	2.	3.5185
100	THEOLOGY TEACHERS	2.	10.	5.0534
101	TRADE, IND $ TECH TEACH	0.	2.	3.9441
102	MISCELL. TEACHERS, COLL	6.	18.	2.9465
103	TEACHERS, CC $ UNIV NEC	53.	138.	2.5810
104	TEACHERS, EX CC $ UNIV	3058.	3890.	1.2718
105	ADULT EDUCATION TEACHER	59.	35.	0.5934
106	ELEMENTARY SCH TEACHERS	1763.	1751.	0.9933
107	PREKIND $ KINDERG TEACH	124.	93.	0.7485
108	SECONDARY SCH TEACHERS	929.	1809.	1.9460
109	TEACHERS, NEC	181.	200.	1.1040
110	ENGN $ SC TECHNICIANS	557.	921.	1.6520

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN WILKES-BARRE

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	17.	18.	1.0264
112	CHEMICAL TECHNICIANS	31.	37.	1.1945
113	DRAFTMEN	244.	337.	1.3799
114	ELEC $ ELECTRON ENG TEC	95.	220.	2.3088
115	IND ENG TECHNICIANS	16.	44.	2.6566
116	MECHNICAL ENG TECH	7.	17.	2.2731
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	84.	77.	0.9123
119	ENG $ SC TECH, NEC	59.	168.	2.8381
120	TECHN, EX HEAL ENG $ SC	43.	100.	2.3117
121	AIRPLANE PILOTS	2.	18.	6.1761
122	AIR TRAFFIC CONTROLLERS	8.	22.	2.6862
123	EMBALMERS	17.	0.	0.0000
124	FLIGHT ENGINEERS	0.	5.	13.2810
125	RADIO OPERATORS	11.	27.	2.3990
126	TOOL PROGRAMMER, NUM CO	1.	0.	0.0000
127	TECHNICIANS NEC	1.	28.	19.8512
128	VOCATION AND ED COUNSELOR	26.	144.	5.4386
129	WRITER, ARTIST $ ENTERTNR	451.	708.	1.5676
130	ACTORS	10.	0.	0.0000
131	ATHLETES $ KINDRED WORKER	18.	36.	1.9448
132	AUTHORS	3.	0.	0.0000
133	DANCERS	2.	10.	3.7933
134	DESIGNERS	49.	67.	1.3689
135	EDITORS AND REPORTERS	88.	169.	1.9175
136	MUSICIANS $ COMPOSERS	85.	148.	1.7439
137	PAINTERS AND SCULPTORS	65.	92.	1.4204
138	PHOTOGRAPHERS	76.	82.	1.0828
139	PUB REL MEN $ PUB WRITR	26.	33.	1.2514
140	RADIO $ TV ANNOUNCERS	14.	48.	3.3642
141	WRITER ARTIST $ ENT NEC	11.	19.	1.7268
142	RESEARCH WORKERS NOT SPEC	68.	28.	0.4124
143	MANAGER $ ADM, EXC FARM	7602.	7596.	0.9991
144	ASSESSOR CONTR $ TREAS	37.	47.	1.2708
145	BANK OFFICER $ FIN MANG	29.	409.	13.8246
146	BUYER $ SHIPPER, FARM	21.	13.	0.5964
147	BUYER, WHOL $ RET TRADE	139.	255.	1.8303
148	CREDIT MEN	33.	41.	1.2475
149	FUNERAL DIRECTORS	124.	125.	1.0131
150	HEALTH ADMINISTRATORS	12.	109.	8.7456
151	CONSTRUCTION INSPECTORS	25.	18.	0.7238
152	INSPECTOR, EXC CONSTRUC	81.	126.	1.5581
153	MANAGER $ SUPERINT, BLD	14.	29.	2.0497
154	OFFICE MANAGERS NEC	32.	28.	0.8831
155	OFFICER PILOT PURS SHIP	13.	6.	0.4601
156	OFFIC $ ADM, PUB AD NEC	294.	323.	1.1010
157	OFF OF LODGE SO $ UNION	63.	93.	1.4761
158	POSTMASTER $ MAIL SUPER	50.	44.	0.8710
159	PURCH AGT $ BUYER NEC	89.	210.	2.3585
160	RAILROAD CONDUCTORS	65.	56.	0.8561
161	RESTAUR CAFET $ BAR MAN	385.	464.	1.2063
162	SALES MANAGERS, RET TRD	166.	219.	1.3170
163	SALES MANAGERS, EXC RET	91.	240.	2.6140
164	SCHOOL ADM, COLLEGE	11.	48.	4.1364
165	SCHOOL ADM, EL $ SECOND	182.	196.	1.0765

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN WILKES-BARRE

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	5637.	4488.	0.7961
167	SALES WORKERS	9040.	8636.	0.9552
168	ADVERTISING AGT $ SALES	44.	95.	2.1631
169	AUCTIONEERS	0.	4.	4.0235
170	DEMONSTRATORS	9.	18.	1.8540
171	HUCKSTERS $ PEDDLERS	141.	77.	0.5474
172	INS AGT BRKR UNDERWRTRS	737.	719.	0.9758
173	NEWSBOYS	564.	161.	0.2869
174	REAL EST AGT $ BROKERS	83.	120.	1.4374
175	STOCK $ BOND SALESMEN	38.	102.	2.6442
176	SALES REPRSTTV, MFG IND	897.	588.	0.6557
177	SALES REPRSTTIV, WHO TR	955.	1154.	1.2090
178	SALES CLERKS, RET TRADE	4282.	4570.	1.0670
179	SALESMEN, RETAIL TRADE	893.	699.	0.7827
180	SALESMEN OF SVC $ CONST	392.	323.	0.8254
181	CLERICAL $ KIND WORKERS	12801.	17304.	1.3516
182	BANK TELLERS	241.	424.	1.7572
183	BILLING CLERKS	69.	183.	2.6403
184	BOOKKEEPERS	1406.	2447.	1.7406
185	CASHIERS	700.	1079.	1.5427
186	CLERICAL ASST, SOC WELF	0.	0.	0.0000
187	CLERICAL SUPERV, NEC	92.	110.	1.2003
188	COLLECTOR, BILL $ ACCT	72.	47.	0.6496
189	COUNTER CLERK, EX FOOD	203.	186.	0.9158
190	DISPATCHER $ STARTERS	58.	85.	1.4495
191	ENUMERATOR $ INTERVIEWR	181.	38.	0.2103
192	ESTIMATOR $ INV NEC	232.	240.	1.0350
193	EXPEDITER $ PROD CONTRL	250.	242.	0.9693
194	FILE CLERKS	102.	551.	5.3796
195	INSUR ADJUSTER, EXAM	87.	154.	1.7679
196	LIBRARY ATTENDANT	13.	161.	11.8128
197	MAIL CARRIER, POST OFF	399.	439.	1.1005
198	MAIL HANDLER, EX POST	108.	102.	0.9436
199	MESSENGER $ OFF BOY	49.	25.	0.5147
200	METER READER, UTILITIES	69.	47.	0.6757
201	OFFICE MACHINE OPERATORS	443.	1280.	2.8854
202	BOOKKPNG $ BILL MACH OP	82.	138.	1.6800
203	CALCULATING MACH OP	62.	31.	0.4953
204	COMPUTER $ PERIPH EQUIP	2.	155.	61.0774
205	DUPLICATING MACH OP	14.	16.	1.1157
206	KEYPUNCH OPERATORS	227.	878.	3.8640
207	TABULATING MACH OP	23.	20.	0.8538
208	OFFICE MACH OP, NEC	30.	40.	1.3234
209	PAYROLL $ TIMEKPNG CLERKS	139.	325.	2.3345
210	POSTAL CLERKS	288.	347.	1.2025
211	PROOFREADERS	26.	28.	1.0451
212	REAL ESTATE APPRAISERS	19.	10.	0.5113
213	RECEPTIONISTS	172.	324.	1.8791
214	SECRETARIES	1394.	2833.	2.0316
215	SECRETARIES, LEGAL	32.	70.	2.1674
216	SECRETARIES, MEDICAL	32.	99.	3.0340
217	SECRETARIES, NEC	1329.	2663.	2.0036
218	SHIPPING $ RECEIV CLERKS	704.	1199.	1.7022
219	STATISTICAL CLERKS	230.	291.	1.2643
220	STENOGRAPHERS	320.	166.	0.5210

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN WILKES-BARRE

		1960	1970	1960-70
221	STOCK CLERKS $ STOREKEEPE	512.	691.	1.3496
222	TEACHER AIDES, EX SCHL MD	15.	88.	5.6666
223	TELEGRAPH MESSENGERS	7.	0.	0.1007
224	TELEGRAPH OPERATORS	22.	4.	0.1804
225	TELEPHONE OPERATORS	555.	464.	0.8365
226	TICKET, STATION $ EXP AGT	96.	45.	0.4704
227	TYPISTS	386.	1225.	3.1685
228	WEIGHERS	79.	89.	1.1214
229	MISCELLANEOUS CLERICAL	526.	361.	0.6858
230	NOT SPECIFIED CLERIC WORK	2517.	956.	0.3800
231	CRAFTMEN AND KINDRED WRK	14974.	18189.	1.2146
232	AUTO ACCESS INSTALLERS	26.	4.	0.1528
233	BAKERS	425.	400.	0.9408
234	BLACKSMITHS	28.	4.	0.1423
235	BOILERMAKERS	94.	157.	1.6692
236	BOOKBINDERS	17.	42.	2.3632
237	BRICKMASON $ STONEMASON	198.	304.	1.5398
238	BRICK $ STONEMASON APPAR	0.	7.	7.8211
239	BULLDOZER OPERATORS	158.	89.	0.5632
240	CABINETMAKERS	125.	105.	0.8393
241	CARPENTERS	1128.	1531.	1.3563
242	CARPENTER APPRENTICES	12.	23.	1.8442
243	CARPET INSTALLERS	30.	124.	4.1160
244	CEMENT $ CONCRETE FINSHER	35.	86.	2.4028
245	COMPOSITOR $ TYPESETTER	411.	348.	0.8477
246	PRINT APPRENT, EXC PRESS	20.	14.	0.7129
247	CRANEMEN DERRICKMEN HOIST	168.	202.	1.2003
248	DECORATOR $ WINDOW DRESSE	138.	113.	0.8237
249	DENTAL LAB TECHNICIANS	22.	75.	3.3156
250	ELECTRICIANS	456.	780.	1.7098
251	ELECTRICIAN APPRENTICES	3.	33.	8.5739
252	ELEC POWER LINE $ CABLEMN	130.	249.	1.9058
253	ELECTRO $ STEREOTYPERS	14.	27.	1.8649
254	ENGRAVERS, EXC PHOTOGRAVR	12.	0.	0.0000
255	EXCAVATING GRADING OPERTR	277.	483.	1.7437
256	FLOOR LAYER EXC TILE SETR	27.	15.	0.5432
257	FOREMEN NEC	2269.	2978.	1.3122
258	FOREMEN AND HAMMERMEN	30.	10.	0.3288
259	FURNITURE $ WOOD FINISHER	31.	33.	1.0633
260	FURRIERS	18.	22.	1.1970
261	GLAZIERS	39.	29.	0.7401
262	HEAT TREATER ANNEALER	7.	48.	6.1203
263	INSPECTOR, LOG $ LUMBER	1.	0.	0.0000
264	INSPECTORS, NEC	276.	279.	1.0109
265	JEWELERS AND WATCHMAKERS	53.	25.	0.4735
266	JOB $ DIE SETTER, METAL	22.	172.	7.6444
267	LOCOMOTIVE ENGINEERS	157.	70.	0.4482
268	LOCOMOTIVE FIREMEN	104.	35.	0.3374
269	MACHINISTS	789.	615.	0.7793
270	MACHINIST APPRENTICES	6.	26.	4.2543
271	MECHANICS AND REPAIRMEN	3894.	4728.	1.2141
272	AIRCON HEAT $ REFRGRTR	103.	161.	1.5677
273	AIRCRAFT	20.	10.	0.5004
274	AUTO BODY REPAIRMEN	141.	152.	1.0836
275	AUTO MECHANICS	1093.	1478.	1.3517

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN WILKES-BARRE

		1960	1970	1960-70
276	AUTO MECHANIC APPR	0.	5.	5.9362
277	DATA PROCESS MACH REPR	0.	50.	50.2921
278	FARM IMPLEMENT	76.	3.	0.0393
279	HEAVY EQUIP MECHANICS	518.	1603.	3.0910
280	HOUSEHOLD APPL $ ACC	164.	176.	1.0673
281	LOOM FIXERS	96.	81.	0.8463
282	OFFICE MACHINE	71.	53.	0.7488
283	RADIO AND TV	181.	365.	2.0098
284	RAILROAD AND CAR SHOP	127.	115.	0.9075
285	MECHANIC EX AUTO APPR	0.	14.	14.4033
286	MISCELL MECHAN $ REPAIR	327.	345.	1.0571
287	NOT SPEC MECH $ REPAIR	972.	110.	0.1137
288	MILLER GRAIN FLOUR $ FEED	34.	0.	0.0000
289	MILLWRITHTS	27.	72.	2.6133
290	MOLDERS, METAL	34.	38.	1.1355
291	MOLDER APPRENTICES	0.	0.	2.2226
292	MOTION PIC PROJECTIONISTS	48.	18.	0.3711
293	OPTICIAN $ LENS GRINDER	55.	101.	1.8266
294	PRINTER, CONST $ MAINTENC	407.	485.	1.1913
295	PAINTER APPRENTICES	0.	1.	1.9512
296	PAPERHANGERS	33.	19.	0.5698
297	PATTERN $ MODEL MAKER	41.	26.	0.6333
298	PHOTOENGRAVER $ LITHOGRPH	28.	20.	0.7114
299	PIANO $ ORGAN TUNER $ REP	11.	5.	0.4310
300	PLASTERERS	64.	60.	0.9416
301	PLASTERER APPRENTICES	0.	0.	0.8588
302	PLUMBER $ PIPE FITTER	490.	527.	1.0747
303	PLUMBER $ PIPE FIT APPR	7.	22.	2.8987
304	POWER STATION OPERATORS	84.	14.	0.1662
305	PRESSMEN $ PLATE PRINTER	152.	413.	2.7105
306	PRESSMAN APPRENTICES	3.	6.	1.7616
307	ROLLER $ FINISHER,METAL	12.	15.	1.2181
308	ROOFER AND SLATER	86.	102.	1.1805
309	SHEETMETAL WORKER $ TINSM	115.	226.	1.9586
310	SHEETMETAL APPRENTICES	2.	9.	4.4543
311	SHIPFITTERS	11.	4.	0.3553
312	SHOE REPAIRMEN	116.	133.	1.1477
313	SIGN PAINTERS $ LETTERER	33.	23.	0.6980
314	STATIONARY ENGINEERS	329.	143.	0.4369
315	STONE CUTTER $ CARVER	12.	17.	1.3250
316	STRUCTURAL METAL DRAFTMEN	75.	113.	1.5054
317	TAILORS	195.	284.	1.4598
318	TELEPHONE INST $ REPAIRMN	256.	293.	1.1440
319	TELEPHONE LINEMEN $SPLICR	70.	54.	0.7680
320	TILE SETTER	55.	69.	1.2477
321	TOOL AND DIE MAKERS	96.	159.	1.6539
322	TOOL AND DIE MAKER APPR	3.	8.	2.5185
323	UPHOLSTERERS	173.	263.	1.5220
324	SPECIFIED CRAFT APPR, NEC	9.	13.	1.4307
325	NOT SPEC APPRENTICES	0.	3.	3.5301
326	DRAFTMEN $ KIND WRKR NEC	121.	113.	0.9343
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	32486.	36635.	1.1277
329	ASBESTOS $ INSUL WORKERS	12.	53.	4.2158
330	ASSEMBLERS	1125.	1860.	1.6527

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN WILKES-BARRE

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	25.	16.	0.6360
332	BOTTLING & CANNING OPERT	192.	60.	0.3139
333	CHAINMEN RODMEN & AXMEN	3.	15.	3.8628
334	CHECKER EXAMINER INS,MFG	1283.	2526.	1.9687
335	CLOTHING IRONER & PRESSER	485.	1218.	2.5117
336	CUTTING OPERATIVE NEC	1023.	974.	0.9522
337	DRESSMAKER &SEAMSTRESS	410.	138.	0.3379
338	DRILLERS, EARTH	469.	106.	0.2268
339	DRY WALL INSTALLER & LATH	81.	35.	0.4307
340	DYERS	6.	13.	1.9211
341	FILER POLISHER SANDER	237.	177.	0.7450
342	FURNACEMEN SMELTERMEN	43.	85.	1.9864
343	GARAGE WORKERS & GAS STAT	549.	519.	0.9454
344	GRADER &SORTER, MFG	153.	315.	2.0521
345	PRODUCE GRADER & PACKER	121.	0.	0.0000
346	HEATER, METAL	0.	11.	11.0628
347	LAUNDRY & DRY CLNG OP NEC	220.	333.	1.5116
348	MEAT CUTTER & BUTCHER	304.	483.	1.5841
349	MEAT CUTTER & BUTCHER MFG	221.	98.	0.4443
350	MEAT WRAPPER RETAIL TRADE	129.	102.	0.7919
351	METAL PLATERS	65.	63.	0.9708
352	MILLINERS	0.	0.	0.0000
353	MINE OPERATIVES NEC	2703.	517.	0.1915
354	MIXING OPERATIVES	125.	108.	0.8646
355	OILER AND GREASER, EX AUT	195.	145.	0.7457
356	PACKER & WRAPPER EX MEAT	1367.	2901.	2.1214
357	PAINTER, MFG ARTICLES	175.	301.	1.7153
358	PHOTOG PROCESS WORKERS	39.	32.	0.8126
359	PRECISION MACHINE OPERATV	492.	641.	1.3020
360	DRILL PRESS OPERATIVES	154.	142.	0.9218
361	GRINDING MACHINE OPERTV	55.	144.	2.6193
362	LATHE & LILLING MACH OP	186.	298.	1.6009
363	PRECISION MACH OP NEC	95.	55.	0.5764
364	PUNCH & STAMPING PRESS OP	485.	290.	0.5993
365	RIVETER AND FASTNERS	77.	140.	1.8119
366	SAILORS AND DECKHANDLERS	39.	32.	0.8055
367	SAWYERS	48.	130.	2.6754
368	SEWERS AND STICHERS	8376.	11477.	1.3702
369	SHOEMAKING MACH OPRTV	497.	883.	1.7759
370	SOLDERERS	293.	9.	0.0308
371	STATIONARY FIREMEN	266.	269.	1.0106
372	TEXTILE OPERATIVES	1798.	1539.	0.8555
373	CARDING LAPPING OP	117.	18.	0.1536
374	KNITTING LOOPER TOPPER	38.	33.	0.8534
375	SPINNER TWISTER & WINDE	540.	625.	1.1576
376	WEAVERS	402.	191.	0.4751
377	TEXTILE OP NEC	699.	671.	0.9593
378	WELDERS & FLAMECUTTERS	1057.	1172.	1.1088
379	WINDING OP NEC	170.	84.	0.4947
380	MACHINE OP, MISC SPECIFD	2030.	2737.	1.3481
381	MACHINE OP NOT SPECIFIED	1763.	1308.	0.7418
382	MISCELL OPERATIVES	2365.	1796.	0.7594
383	NOT SPECIFIED OPERATIVES	944.	904.	0.9574
384	TRANSPORT EQUIPMENT OPERT	4911.	5391.	1.0978
385	BOATMEN AND CANALMEN	5.	0.	0.0000

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN WILKES-BARRE

		1960	1970	1960-70
386	BUS DRIVERS	308.	320.	1.0401
387	CONDUCTOR $ MOTORMEN	4.	0.	0.0000
388	DELIVERYMEN $ ROUTEMEN	754.	1472.	1.9530
389	FORK LIFT $ TOW MOTOR OP	211.	446.	2.1083
390	MOTORMEN MINE FACTORY ETC	127.	22.	0.1735
391	PARKING ATTENDANTS	44.	69.	1.5761
392	RAILROAD BRAKEMEN	345.	152.	0.4430
393	RIALROAD SWITCHMEN	61.	63.	1.0238
394	TAXICAB DRIVERS $ CHAUFFR	143.	125.	0.8744
395	TRUCK DRIVERS	2904.	2718.	0.9357
396	LABORERS, EX FARM	5919.	5167.	0.8729
397	ANIMAL CARETAKER EX FARM	68.	9.	0.1310
398	CARPENTERS HELPERS	27.	100.	3.5928
399	CONSTRUCT LABOR EXC CARP	1288.	1062.	0.8250
400	FISHERMEN AND OYSTERMEN	4.	0.	0.0000
401	FREIGHT $ MATERIAL HANDLR	1103.	1226.	1.1109
402	GARBAGE COLLECTORS	56.	61.	1.0943
403	GARDNERS AND GROUNDKEEPER	210.	190.	0.9056
404	LONGSHOREMEN $ STEVEDORES	4.	0.	0.0000
405	LUMBERMEN RAFTMEN $ WDCHP	74.	18.	0.2431
406	STOCK HANDLERS	655.	708.	1.0802
407	TEAMSTERS	11.	4.	0.3448
408	VEHICLE WASHER $ EQUIP CL	252.	216.	0.8550
409	WAREHOUSEMEN NEC	284.	203.	0.7149
410	MISCELL LABORERS	507.	301.	0.5947
411	NOT SPECIFIED LABORERS	1367.	1064.	0.7782
412	FARMERS AND FARM MANAGERS	747.	368.	0.4928
413	FARMERS OWNERS $ TENANTS	701.	339.	0.4833
414	FARM MANAGERS	45.	29.	0.6392
415	FARM LABORER $ FOREMEN	650.	261.	0.4028
416	FARM FOREMEN	7.	4.	0.5058
417	FARM LABORER WAGE WORKER	533.	241.	0.4531
418	FARM LABORER UNPAID FAM W	103.	16.	0.1549
419	FARM SERVICE LABOR, SELF	4.	0.	0.0000
420	SERVICE WORKER EX PRI HHD	8872.	12717.	1.4333
421	CLEANING SERVICE WORKER	2415.	3518.	1.4562
422	CHAMBERMAID EX PRV HHD	216.	275.	1.2714
423	CLEANERS $ CHARWOMEN	588.	817.	1.3907
424	JANITOR AND SEXTON	1610.	2424.	1.5049
425	FOOD SERVICE WORKERS	2692.	4400.	1.6341
426	BARTENDERS	793.	706.	0.8905
427	BUSBOYS	134.	105.	0.7843
428	COOKS EX PR HHD	15.	1060.	66.6527
429	DISHWASHERS	190.	216.	1.1394
430	FOOD COUNTER $ FOUNTAIN	186.	169.	0.9073
431	WAITERS	1043.	1512.	1.4491
432	FOOD SERVICE WRKR NEC	329.	630.	1.9144
433	HEALTH SERVICE WORKERS	1195.	1574.	1.3171
434	DENTAL ASSISTANTS	46.	109.	2.3365
435	HEALTH AIDES EX NURSEIN	40.	140.	3.5081
436	HEALTH TRAINEES	412.	62.	0.1511
437	LAY MIDWIFE	0.	0.	0.0000
438	NURSING AIDE ORDERLY	512.	841.	1.6434
439	PRACTICAL NURSES	183.	419.	2.2903
440	PERSONAL SERVICE WORKERS	1251.	1653.	1.3216

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN WILKES-BARRE

		1960	1970	1960-70
441	AIRLINE STEWARDESS	11.	10.	0.8538
442	ATTENDANT, RECREAT $ AM	84.	85.	1.0081
443	ATTENDANT, PERS SRV NEC	122.	48.	0.3957
444	BAGGAGE PORTER $ BELLHO	31.	19.	0.6128
445	BARBERS	269.	258.	0.9603
446	BOADING $ LODGING HSEKP	10.	11.	1.0323
447	BOOTBLACKS	16.	0.	0.0000
448	CHILD CARE EX PR HHD	36.	219.	5.9835
449	ELEVATOR OPERATORS	66.	46.	0.6961
450	HAIRDRESSER $ COSMETOL	475.	790.	1.6621
451	PERSONAL SVC APPRENTICE	2.	0.	0.3559
452	HOUSEKEEPER EX PR HHD	104.	103.	0.9892
453	SCHOOL MONITORS	3.	4.	1.1355
454	USHER, RECREAT $ AMUS	14.	16.	1.0999
455	WELFARE SVC AIDES	0.	40.	50.7831
456	PROTECTIVE SERVICE WORKER	1317.	1571.	1.1924
457	CROSSING GUARD $ BRIDGE	58.	121.	2.0724
458	FIREMEN, FIREPROTECTION	276.	199.	0.7192
459	GUARD $ WATCHMEN	526.	675.	1.2842
460	MARSHAL $ CONSTABLE	0.	0.	0.0000
461	POLICEMEN $ DETECTIVES	438.	574.	1.3087
462	SHERIFFS $ BALIFFS	16.	0.	0.0000
463	PRIVATE HOUSE WORKERS	1484.	675.	0.4550
464	CHILD CARE WORKER PRV HHD	303.	51.	0.1684
465	COOKS PRV HHD	34.	14.	0.4048
466	HOUSEKEEPER PRV HHD	128.	66.	0.5163
467	LAUNDRESS PRV HHD	33.	5.	0.1491
468	MAID $ SERVANT PRV HHD	984.	538.	0.5475
469	OCCUPATION NOT REPORTED	10010.	9360.	0.9350

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN TOMA

		1960	1970	1960-70
1	TOTAL EMPLOYED ALL CCC	120488.	152503.	1.2657
2	PROF TECH AND KINDRED	10116.	15647.	1.5468
3	ACCOUNTANTS	430.	912.	2.1188
4	ARCHITECTS	23.	42.	1.8635
5	COMPUTER SPECIALISTS	12.	314.	25.3417
6	COMPUTER PROGRAMMERS	8.	194.	23.3273
7	COMP SYSTEMS ANALYSTS	3.	113.	33.5040
8	COMPUTER SPEC. NEC	0.	6.	9.6171
9	ENGINEERS	830.	1956.	2.3564
10	AERONAUT AND ASTRON ENG	18.	6.	0.3655
11	CHEMICAL ENGINEERS	48.	22.	0.4562
12	CIVIL ENGINEERS	147.	295.	2.0022
13	ELECTR AND ELECTRO ENG	141.	255.	1.7985
14	INDUSTRIAL ENGINEERS	170.	444.	2.6147
15	MECHANICAL ENGINEERS	139.	385.	2.7708
16	METALLUR AND MATER ENG	24.	50.	2.0285
17	MINING ENGINEERS	17.	0.	0.0000
18	PETORLEUM ENGINEERS	15.	4.	0.2905
19	SALES ENGINEERS	43.	94.	2.1902
20	ENGINEERS, NEC	64.	397.	6.1818
21	FARM MANAGEMENT ADVISORS	6.	12.	1.9701
22	FORESTOR $ CONSRVATIONIST	52.	31.	0.6127
23	HOME MANAGEMENT ADVISORS	9.	4.	0.4568
24	LAWYERS AND JUDGES	163.	259.	1.5865
25	JUDGES	7.	15.	2.0904
26	LAWYERS	156.	244.	1.5627
27	LIBRARIANS ARCHIV CURATOR	97.	160.	1.6464
28	LIBRARIANS	96.	160.	1.6714
29	ARCHIVISTS AND CURATORS	1.	0.	0.0000
30	MATHEMATICAL SPECIALISTS	7.	23.	2.9549
31	ACTUARIES	1.	6.	5.1961
32	MATHEMATICIANS	2.	0.	0.0000
33	STATISTICIANS	3.	16.	4.5806
34	LIFE $ PHYSICAL SCIENT.	179.	154.	0.8564
35	AGRICULTURAL SCIENTISTS	15.	4.	0.2786
36	ATMOSPHERIC $ SPACE SCI	3.	0.	0.0000
37	BIOLOGICAL SCIENTISTS	4.	6.	1.3430
38	CHEMISTS	137.	132.	0.9598
39	GEOLOGISTS	4.	0.	0.0000
40	MARINE SCIENTISTS	0.	5.	5.5035
41	PHYSICISTS AND ASTRONOM	8.	5.	0.6393
42	LIFE AND PHYS SCIEN NEC	5.	0.	0.0000
43	OPERATIONS $ SYST RESEAR	23.	205.	8.7199
44	PERSONNEL $ LABOR REL WOK	110.	518.	4.6990
45	PHYSICIANS,DENTISTS $ REL	648.	751.	1.1600
46	CHIROPRACTORS	33.	16.	0.4952
47	DENTISTS	150.	147.	0.9788
48	OPTOMETRISTS	21.	25.	1.1864
49	PHARMACISTS	106.	120.	1.1308
50	PHYSICIANS$ MED $ OSTEO	299.	397.	1.3284
51	PODIATRISTS	10.	27.	2.5958
52	VETERINARIANS	26.	17.	0.6535
53	HEALTH PRACTITIONERS NE	0.	0.	0.0000
54	NURSES, DIETITIANS $ THER	1316.	1332.	1.0118
55	DIETITIANS	33.	16.	0.4894

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN YORK

		1960	1970	1960-70
56	REGISTERED NURSES	1253.	1241.	0.9904
57	THERAPISTS	29.	74.	2.4962
58	HEALTH TECHNCLCG $ TECHIC	146.	284.	1.9378
59	CLIN LAB TECHNO $ TECHN	63.	138.	2.1885
60	DENTAL HYGIENISTS	6.	57.	8.4843
61	HEALTH RECORD TECH	11.	0.	0.0000
62	RADIOLOGIC TECH	42.	56.	1.3182
63	THERAPY ASSISTANTS	0.	0.	0.0000
64	HEALTH TECH, NEC	21.	31.	1.4711
65	RELIGIOUS WORKERS	574.	466.	0.8127
66	CLERGYMEN	510.	436.	0.8539
67	RELIGIOUS WORKERS, NEC	63.	30.	0.4835
68	SOCIAL SCIENTISTS	35.	85.	2.4484
69	ECONOMISTS	20.	57.	2.7541
70	POLITICAL SCIENTISTS	0.	0.	0.0000
71	PSYCHOLOGISTS	12.	9.	0.8178
72	SOCIOLOGISTS	0.	0.	0.0000
73	URBAN AND REG PLANNERS	0.	5.	6.1279
74	SOCIAL SCIENTISTS, NEC	1.	13.	10.3944
75	SOCIAL AND RECR WORKERS	162.	245.	1.5150
76	SOCIAL WORKERS	128.	212.	1.6511
77	RECREATION WORKERS	33.	33.	0.9899
78	TEACHERS, COLLEGE $ UNIV	376.	370.	0.9835
79	AGRICULTURE TEACHERS	8.	2.	0.3695
80	ATMOS, EARTH, MAR $ SPA	1.	3.	3.1579
81	BIOLOGY TEACHERS	16.	16.	1.0107
82	CHEMISTRY TEACHERS	17.	11.	0.6468
83	PHYSICS TEACHERS	18.	15.	0.8385
84	ENGINEERING TEACHERS	20.	0.	0.0000
85	MATHEMATICS TEACHERS	21.	13.	0.6112
86	HEALTH SPECIALT TEACHER	10.	19.	1.9529
87	PSYCHOLOGY TEACHERS	2.	4.	2.0814
88	BUS. $ COMMERCE TEACHER	12.	7.	0.5920
89	ECONOMICS TEACHERS	7.	16.	2.2440
90	HISTORY TEACHERS	18.	6.	0.3635
91	SOCIOLOGY TEACHERS	1.	2.	2.2490
92	SOCIAL SC TEACHERS NEC	8.	3.	0.4382
93	ART, DRAMA $ MUSIC TEAC	19.	19.	1.0247
94	COACHES $ PHYSICAL ED	13.	12.	0.9262
95	EDUCATION TEACHERS	12.	4.	0.3788
96	ENGLISH TEACHERS	41.	47.	1.1429
97	FOREIGN LANG TEACHERS	14.	17.	1.1751
98	HOME ECONOMICS TEACHERS	0.	1.	1.3002
99	LAW TEACHERS	1.	1.	1.4425
100	THEOLOGY TEACHERS	4.	6.	1.5073
101	TRADE, IND $ TECH TEACH	1.	1.	1.6167
102	MISCELL. TEACHERS, COLL	11.	12.	1.0799
103	TEACHERS, CC $ UNIV NEC	93.	120.	1.2854
104	TEACHERS, EX CC $ UNIV	3387.	4658.	1.3749
105	ADULT EDUCATION TEACHER	61.	38.	0.6291
106	ELEMENTARY SCH TEACHERS	1776.	2352.	1.3239
107	PREKIND $ KINDERG TEACH	121.	172.	1.4267
108	SECONDARY SCH TEACHERS	1212.	1922.	1.5859
109	TEACHERS, NEC	216.	171.	0.7933
110	ENGN $ SC TECHNICIANS	847.	1455.	1.7179

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN YORK

		1960	1970	1960-70
111	AGR $ BIOL TECH EX HEAL	61.	26.	0.4318
112	CHEMICAL TECHNICIANS	82.	61.	0.7476
113	DRAFTMEN	323.	743.	2.3020
114	ELEC $ ELECTRON ENG TEC	100.	170.	1.7023
115	IND ENG TECHNICIANS	25.	74.	2.9781
116	MECHNICAL ENG TECH	20.	6.	0.3144
117	MATHEMATICAL TECHNICIAN	0.	0.	0.0000
118	SURVEYORS	73.	80.	1.0892
119	ENG $ SC TECH, NEC	160.	291.	1.8147
120	TECHN, EX HEAL ENG $ SC	59.	135.	2.2758
121	AIRPLANE PILOTS	12.	45.	3.5292
122	AIR TRAFFIC CONTROLLERS	5.	11.	2.0793
123	EMBALMERS	22.	5.	0.2444
124	FLIGHT ENGINEERS	0.	0.	0.0000
125	RADIO OPERATORS	8.	33.	3.8184
126	TOOL PROGRAMMER, NUM CO	3.	12.	3.8429
127	TECHNICIANS NEC	6.	28.	4.5584
128	VOCATION AND ED COUNSELOR	32.	134.	4.1838
129	WRITER, ARTIST $ ENTERTNR	502.	1095.	2.1800
130	ACTORS	6.	0.	0.0000
131	ATHLETES $ KINDRED WORKER	32.	92.	2.8815
132	AUTHORS	10.	0.	0.0000
133	DANCERS	4.	5.	1.1770
134	DESIGNERS	44.	238.	5.3754
135	EDITORS AND REPORTERS	114.	180.	1.5750
136	MUSICIANS $ COMPOSERS	112.	148.	1.3232
137	PAINTERS AND SCULPTORS	67.	132.	1.9643
138	PHOTOGRAPHERS	60.	81.	1.3559
139	PUB REL MEN $ PUB WRITR	14.	86.	6.1400
140	RADIO $ TV ANNOUNCERS	16.	17.	1.0708
141	WRITER ARTIST $ ENT NEC	18.	111.	5.9832
142	RESEARCH WORKERS NOT SPEC	80.	35.	0.4394
143	MANAGER $ ADM, EXC FARM	8233.	9299.	1.1294
144	ASSESSOR CONTR $ TREAS	44.	55.	1.2236
145	BANK OFFICER $ FIN MANG	32.	367.	11.3524
146	BUYER $ SHIPPER, FARM	32.	14.	0.4457
147	BUYER, WHOL $ RET TRADE	106.	378.	3.5728
148	CREDIT MEN	37.	72.	1.9138
149	FUNERAL DIRECTORS	103.	73.	0.7151
150	HEALTH ADMINISTRATORS	12.	89.	7.2591
151	CONSTRUCTION INSPECTORS	22.	22.	0.9910
152	INSPECTOR, EXC CONSTRUC	72.	108.	1.5127
153	MANAGER $ SUPERINT, BLD	5.	9.	1.7155
154	OFFICE MANAGERS NEC	34.	35.	1.0261
155	OFFICER PILOT PURS SHIP	4.	4.	1.0289
156	OFFIC $ ADM, PUB AD NEC	304.	319.	1.0469
157	OFF OF LODGE SO $ UNION	50.	44.	0.8703
158	POSTMASTER $ MAIL SUPER	144.	85.	0.5922
159	PURCH AGT $ BUYER NEC	107.	357.	3.3305
160	RAILROAD CONDUCTORS	139.	45.	0.3238
161	RESTAUR CAFET $ BAR MAN	419.	571.	1.3638
162	SALES MANAGERS, RET TRD	123.	416.	3.3707
163	SALES MANAGERS, EXC RET	77.	447.	5.7725
164	SCHOOL ADM, COLLEGE	20.	23.	1.1414
165	SCHOOL ADM, EL $ SECOND	221.	229.	1.0324

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN YORK

		1960	1970	1960-70
166	MANAGER $ ADM, NEC	6115.	5526.	0.9036
167	SALES WORKERS	7919.	9409.	1.1881
168	ADVERTISING AGT $ SALES	36.	64.	1.7969
169	AUCTIONEERS	10.	0.	0.0000
170	DEMONSTRATORS	29.	80.	2.7554
171	HUCKSTERS $ PEDDLERS	49.	144.	2.9049
172	INS AGT BRKR UNDERWRTRS	582.	726.	1.2461
173	NEWSBOYS	467.	107.	0.2307
174	REAL EST AGT $ BROKERS	76.	324.	4.2621
175	STOCK $ BOND SALESMEN	30.	73.	2.4199
176	SALES REPRSTTV, MFG IND	744.	800.	1.0753
177	SALES REPRSTTIV, WHO TR	778.	999.	1.2835
178	SALES CLERKS, RET TRADE	4032.	4873.	1.2083
179	SALESMEN, RETAIL TRADE	741.	931.	1.2571
180	SALESMEN OF SVC $ CONST	340.	283.	0.8330
181	CLERICAL $ KIND WORKERS	11676.	20496.	1.7552
182	BANK TELLERS	272.	532.	1.9546
183	BILLING CLERKS	57.	302.	5.2412
184	BOOKKEEPERS	1231.	2317.	1.8820
185	CASHIERS	677.	1340.	1.9800
186	CLERICAL ASST, SOC WELF	0.	0.	0.0000
187	CLERICAL SUPERV, NEC	77.	136.	1.7669
188	COLLECTOR, BILL $ ACCT	44.	49.	1.1084
189	COUNTER CLERK, EX FOOD	170.	301.	1.7717
190	DISPATCHER $ STARTERS	61.	168.	2.7282
191	ENUMERATOR $ INTERVIEWR	151.	86.	0.5745
192	ESTIMATOR $ INV NEC	202.	332.	1.6418
193	EXPEDITER $ PROD CONTRL	216.	493.	2.2772
194	FILE CLERKS	103.	430.	4.1462
195	INSUR ADJUSTER, EXAM	39.	65.	1.6638
196	LIBRARY ATTENDANT	47.	86.	1.8402
197	MAIL CARRIER, POST OFF	334.	367.	1.0978
198	MAIL HANDLER, EX POST	90.	209.	2.3071
199	MESSENGER $ OFF BOY	19.	42.	2.1660
200	METER READER, UTILITIES	59.	37.	0.6295
201	OFFICE MACHINE OPERATORS	135.	847.	6.2431
202	BOOKKPNG $ BILL MACH OP	23.	96.	4.1461
203	CALCULATING MACH OP	13.	4.	0.3164
204	COMPUTER $ PERIPH EQUIP	0.	184.	215.4773
205	DUPLICATING MACH OP	6.	37.	5.5082
206	KEYPUNCH OPERATORS	69.	478.	6.9343
207	TABULATING MACH OP	13.	0.	0.0000
208	OFFICE MACH OP, NEC	8.	45.	5.3664
209	PAYROLL $ TIMEKPNG CLERKS	184.	412.	2.2357
210	POSTAL CLERKS	295.	418.	1.4176
211	PROOFREADERS	22.	159.	7.0850
212	REAL ESTATE APPRAISERS	17.	10.	0.6292
213	RECEPTIONISTS	177.	420.	2.3714
214	SECRETARIES	1894.	4377.	2.3102
215	SECRETARIES, LEGAL	44.	109.	2.4667
216	SECRETARIES, MEDICAL	44.	153.	3.4539
217	SECRETARIES, NEC	1806.	4114.	2.2782
218	SHIPPING $ RECEIV CLERKS	516.	1111.	2.1515
219	STATISTICAL CLERKS	197.	329.	1.6635
220	STENOGRAPHERS	329.	132.	0.4005

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN YORK

		1960	1970	1960-70
221	STOCK CLERKS & STOREKEEPE	525.	940.	1.7889
222	TEACHER AIDES, EX SCHL MO	17.	125.	7.0515
223	TELEGRAPH MESSENGERS	2.	1.	0.5100
224	TELEGRAPH OPERATORS	38.	17.	0.4535
225	TELEPHONE OPERATORS	500.	565.	1.1301
226	TICKET, STATION & EXP AGT	66.	17.	0.2658
227	TYPISTS	276.	1633.	5.9138
228	WEIGHERS	68.	82.	1.2031
229	MISCELLANEOUS CLERICAL	447.	733.	1.6395
230	NOT SPECIFIED CLERIC WORK	2103.	857.	0.4076
231	CRAFTMEN AND KINDRED WRK	18777.	22893.	1.2192
232	AUTO ACCESS INSTALLERS	16.	14.	0.8575
233	BAKERS	235.	176.	0.7497
234	BLACKSMITHS	100.	47.	0.4723
235	BOILERMAKERS	47.	80.	1.7010
236	BOOKBINDERS	53.	133.	2.5083
237	BRICKMASON & STONEMASON	316.	530.	1.6764
238	BRICK & STONEMASON APPAR	3.	13.	3.6057
239	BULLDOZER OPERATORS	253.	86.	0.3428
240	CABINETMAKERS	134.	205.	1.5251
241	CARPENTERS	1563.	1846.	1.1811
242	CARPENTER APPRENTICES	4.	28.	6.1713
243	CARPET INSTALLERS	30.	75.	2.4738
244	CEMENT & CONCRETE FINSHER	27.	179.	6.5150
245	COMPOSITOR & TYPESETTER	317.	545.	1.7157
246	PRINT APPRENT, EXC PRESS	24.	22.	0.9190
247	CRANEMEN DERRICKMEN HOIST	520.	262.	0.5053
248	DECORATOR & WINDOW DRESSE	69.	107.	1.5432
249	DENTAL LAB TECHNICIANS	14.	44.	3.0971
250	ELECTRICIANS	629.	944.	1.5006
251	ELECTRICIAN APPRENTICES	9.	40.	4.0490
252	ELEC POWER LINE & CABLEMN	133.	272.	2.0480
253	ELECTRO & STEREOTYPERS	4.	16.	3.3053
254	ENGRAVERS, EXC PHOTOGRAVR	4.	8.	1.7645
255	EXCAVATING GRADING OPERTR	543.	506.	0.9313
256	FLOOR LAYER EXC TILE SETR	37.	16.	0.4399
257	FOREMEN NEC	2630.	4132.	1.5710
258	FOREMEN AND HAMMERMEN	50.	12.	0.2385
259	FURNITURE & WOOD FINISHER	50.	116.	2.3174
260	FURRIERS	11.	0.	0.0000
261	GLAZIERS	17.	31.	1.7963
262	HEAT TREATER ANNEALER	60.	136.	2.2480
263	INSPECTOR, LOG & LUMBER	13.	4.	0.3280
264	INSPECTORS, NEC	342.	204.	0.5972
265	JEWELERS AND WATCHMAKERS	59.	46.	0.7798
266	JOB & DIE SETTER, METAL	65.	288.	4.3855
267	LOCOMOTIVE ENGINEERS	206.	90.	0.4364
268	LOCOMOTIVE FIREMEN	140.	11.	0.0780
269	MACHINISTS	1210.	1075.	0.8881
270	MACHINIST APPRENTICES	21.	45.	2.1301
271	MECHANICS AND REPAIRMEN	4764.	4867.	1.0214
272	AIRCON HEAT & REFRGRTR	88.	275.	3.0950
273	AIRCRAFT	43.	31.	0.7364
274	AUTO BODY REPAIRMEN	178.	191.	1.0708
275	AUTO MECHANICS	1386.	1806.	1.3030

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN YORK

		1960	1970	1960-70
276	AUTO MECHANIC APPR	2.	7.	3.0490
277	DATA PROCESS MACH REPR	0.	50.	50.6237
278	FARM IMPLEMENT	89.	49.	0.5505
279	HEAVY EQUIP MECHANICS	606.	1439.	2.3726
280	HOUSEHOLD APPL $ ACC	193.	198.	1.0247
281	LOOM FIXERS	55.	50.	0.9108
282	OFFICE MACHINE	25.	64.	2.5716
283	RADIO AND TV	180.	193.	1.0739
284	RAILROAD AND CAR SHOP	385.	20.	0.0543
285	MECHANIC EX AUTO APPR	11.	14.	1.2356
286	MISCELL MECHAN $ REPAIR	374.	354.	0.9453
287	NOT SPEC MECH $ REPAIR	1142.	117.	0.1031
288	MILLER GRAIN FLOUR $ FEED	38.	33.	0.8650
289	MILLWRITHTS	144.	255.	1.7680
290	MOLDERS, METAL	175.	227.	1.2942
291	MOLDER APPRENTICES	0.	3.	7.8706
292	MOTION PIC PROJECTIONISTS	22.	22.	0.9826
293	OPTICIAN $ LENS GRINDER	16.	59.	3.5393
294	PRINTER, CONST $ MAINTENC	492.	594.	1.2067
295	PAINTER APPRENTICES	0.	2.	6.8473
296	PAPERHANGERS	33.	24.	0.7258
297	PATTERN $ MODEL MAKER	68.	101.	1.4714
298	PHOTOENGRAVER $ LITHOGRPH	17.	23.	1.3083
299	PIANO $ ORGAN TUNER $ REP	6.	15.	2.2593
300	PLASTERERS	103.	161.	1.5575
301	PLASTERER APPRENTICES	0.	2.	13.6723
302	PLUMBER $ PIPE FITTER	572.	737.	1.2886
303	PLUMBER $ PIPE FIT APPR	9.	31.	3.2456
304	POWER STATION OPERATORS	70.	52.	0.7497
305	PRESSMEN $ PLATE PRINTER	111.	544.	4.8773
306	PRESSMAN APPRENTICES	4.	8.	1.9010
307	ROLLER $ FINISHER,METAL	114.	24.	0.2113
308	ROOFER AND SLATER	59.	177.	2.9791
309	SHEETMETAL WORKER $ TINSM	145.	209.	1.4328
310	SHEETMETAL APPRENTICES	3.	8.	2.4680
311	SHIPFITTERS	16.	6.	0.3885
312	SHOE REPAIRMEN	63.	99.	1.5564
313	SIGN PAINTERS $ LETTERER	38.	14.	0.3690
314	STATIONARY ENGINEERS	508.	242.	0.4765
315	STONE CUTTER $ CARVER	38.	0.	0.0000
316	STRUCTURAL METAL DRAFTMEN	106.	69.	0.6502
317	TAILORS	123.	107.	0.8725
318	TELEPHONE INST $ REPAIRMN	261.	335.	1.2818
319	TELEPHONE LINEMEN $SPLICR	72.	108.	1.5132
320	TILE SETTER	79.	88.	1.1082
321	TOOL AND DIE MAKERS	233.	693.	2.9702
322	TOOL AND DIE MAKER APPR	12.	38.	3.1764
323	UPHOLSTERERS	103.	209.	2.0234
324	SPECIFIED CRAFT APPR, NEC	19.	29.	1.5316
325	NOT SPEC APPRENTICES	10.	7.	0.7585
326	DRAFTMEN $ KIND WRKR NEC	129.	252.	1.9572
327	FORMER MEMBER OF ARMED FR	0.	0.	0.0000
328	OPERATIVES EX TRANSPORT	26603.	33056.	1.2425
329	ASBESTOS $ INSUL WORKERS	10.	25.	2.3232
330	ASSEMBLERS	1323.	2477.	1.8716

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EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN YORK

		1960	1970	1960-70
331	BLASTERS AND POWERMEN	24.	4.	0.1811
332	BOTTLING $ CANNING OPERT	147.	176.	1.1912
333	CHAINMEN RODMEN $ AXMEN	17.	25.	1.4688
334	CHECKER EXAMINER INS,MFG	1390.	2549.	1.8338
335	CLOTHING IRONER $ PRESSER	425.	554.	1.3026
336	CUTTING OPERATIVE NEC	1349.	702.	0.5201
337	DRESSMAKER $SEAMSTRESS	219.	166.	0.7560
338	DRILLERS, EARTH	346.	123.	0.3553
339	DRY WALL INSTALLER $ LATH	96.	14.	0.1488
340	DYERS	19.	22.	1.1136
341	FILER POLISHER SANDER	337.	452.	1.3410
342	FURNACEMEN SMELTERMEN	222.	85.	0.3864
343	GARAGE WORKERS $ GAS STAT	704.	578.	0.8206
344	GRADER $SORTER, MFG	92.	133.	1.4473
345	PRODUCE GRADER $ PACKER	73.	44.	0.6004
346	HEATER, METAL	45.	5.	0.1209
347	LAUNDRY $ DRY CLNG OP NEC	214.	259.	1.2124
348	MEAT CUTTER $ BUTCHER	325.	389.	1.1975
349	MEAT CUTTER $ BUTCHER MFG	212.	25.	0.1189
350	MEAT WRAPPER RETAIL TRADE	69.	61.	0.8906
351	METAL PLATERS	78.	137.	1.7471
352	MILLINERS	2.	6.	2.7168
353	MINE OPERATIVES NEC	1205.	160.	0.1333
354	MIXING OPERATIVES	154.	170.	1.1060
355	OILER AND GREASER, EX AUT	161.	102.	0.6348
356	PACKER $ WRAPPER EX MEAT	880.	2109.	2.3964
357	PAINTER, MFG ARTICLES	279.	515.	1.8419
358	PHOTOG PROCESS WORKERS	44.	84.	1.8858
359	PRECISION MACHINE OPERATV	666.	2369.	3.5564
360	DRILL PRESS OPERATIVES	155.	359.	2.3159
361	GRINDING MACHINE OPERTV	168.	702.	4.1613
362	LATHE $ LILLING MACH OP	229.	921.	4.0186
363	PRECISION MACH OP NEC	112.	386.	3.4208
364	PUNCH $ STAMPING PRESS OP	435.	439.	1.0079
365	RIVETER AND FASTNERS	67.	86.	1.2840
366	SAILORS AND DECKHANDLERS	1.	0.	0.0000
367	SAWYERS	245.	366.	1.4937
368	SEWERS AND STICHERS	4349.	4444.	1.0217
369	SHOEMAKING MACH OPRTV	357.	1241.	3.4685
370	SOLDERERS	199.	37.	0.1873
371	STATIONARY FIREMEN	355.	246.	0.6923
372	TEXTILE OPERATIVES	1387.	1809.	1.3044
373	CARDING LAPPING OP	108.	39.	0.3644
374	KNITTING LOOPER TOPPER	128.	235.	1.8269
375	SPINNER TWISTER $ WINDE	400.	423.	1.0582
376	WEAVERS	220.	400.	1.8209
377	TEXTILE OP NEC	529.	709.	1.3418
378	WELDERS $ FLAMECUTTERS	1243.	1684.	1.3551
379	WINDING OP NEC	132.	241.	1.8254
380	MACHINE OP, MISC SPECIFD	1972.	3737.	1.8949
381	MACHINE OP NOT SPECIFIED	1643.	1772.	1.0784
382	MISCELL OPERATIVES	2126.	1622.	0.7630
383	NOT SPECIFIED OPERATIVES	943.	793.	0.8408
384	TRANSPORT EQUIPMENT OPERT	5610.	6430.	1.1462
385	BOATMEN AND CANALMEN	8.	0.	0.0000

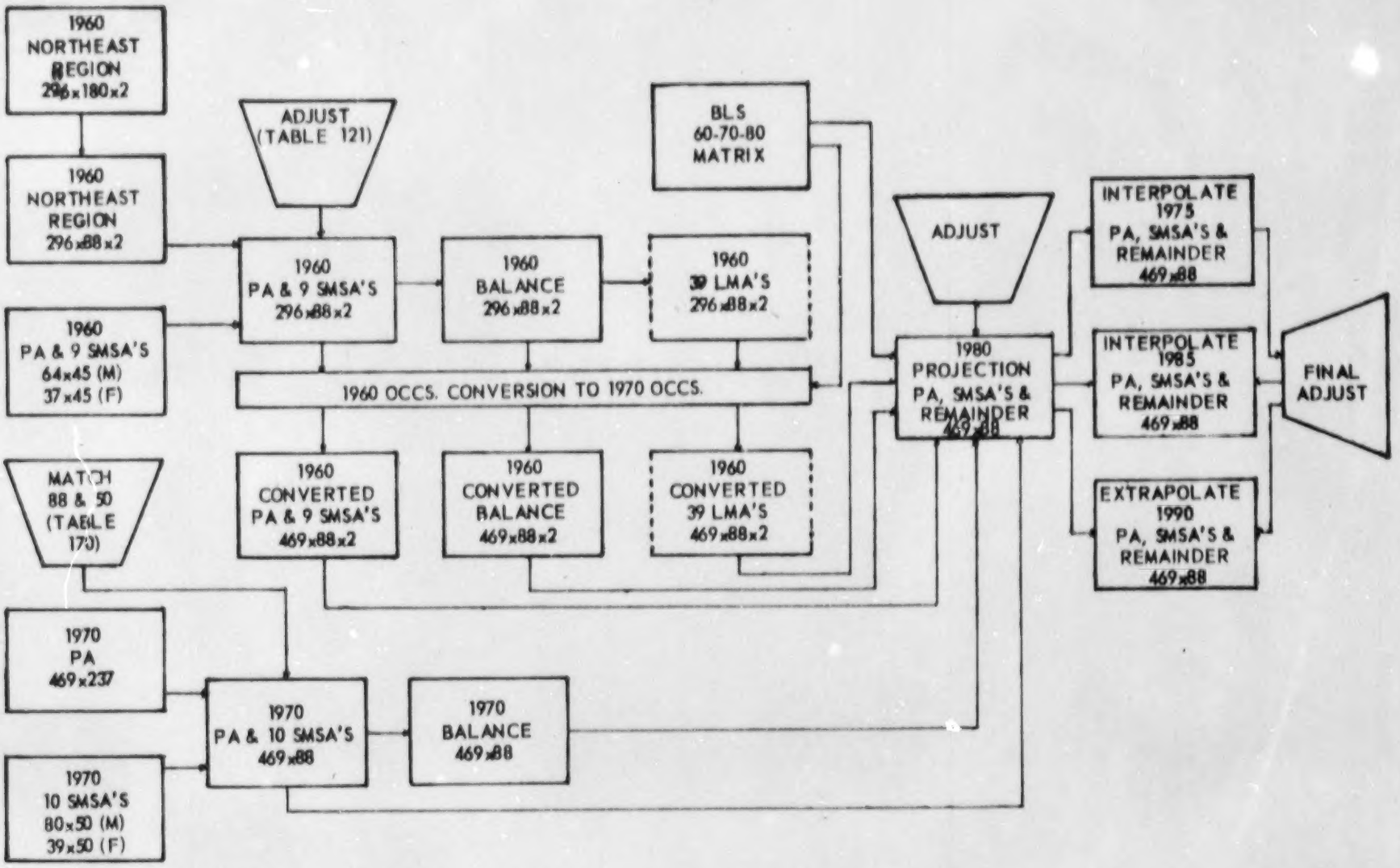
EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN YORK

		1960	1970	1960-70
386	BUS DRIVERS	253.	361.	1.4264
387	CONDUCTOR $ MOTORMEN	0.	6.	6.6112
388	DELIVERYMEN $ ROUTEMEN	713.	1488.	2.0873
389	FORK LIFT $ TOW MOTOR OP	277.	931.	3.3495
390	MOTORMEN MINE FACTORY ETC	124.	5.	0.0441
391	PARKING ATTENDANTS	56.	47.	0.8405
392	RAILROAD BRAKEMEN	364.	73.	0.2020
393	RIALROAD SWITCHMEN	90.	5.	0.0605
394	TAXICAB DRIVERS $ CHAUFFR	87.	122.	1.4038
395	TRUCK DRIVERS	3633.	3388.	0.9326
396	LABORERS, EX FARM	9007.	6308.	0.7004
397	ANIMAL CARETAKER EX FARM	69.	47.	0.6820
398	CARPENTERS HELPERS	45.	64.	1.4272
399	CONSTRUCT LABOR EXC CARP	2191.	1012.	0.4618
400	FISHERMEN AND OYSTERMEN	5.	0.	0.0000
401	FREIGHT $ MATERIAL HANDLR	1446.	1588.	1.0978
402	GARBAGE COLLECTORS	95.	41.	0.4356
403	GARDNERS AND GROUNDKEEPER	310.	347.	1.1187
404	LONGSHOREMEN $ STEVEDORES	0.	0.	0.0000
405	LUMBERMEN RAFTMEN $ WDCHP	244.	33.	0.1348
406	STOCK HANDLERS	883.	1172.	1.3279
407	TEAMSTERS	19.	15.	0.7726
408	VEHICLE WASHER $ EQUIP CL	359.	183.	0.5107
409	WAREHOUSEMEN NEC	136.	189.	1.3867
410	MISCELL LABORERS	847.	340.	0.4011
411	NOT SPECIFIED LABORERS	2350.	1272.	0.5416
412	FARMERS AND FARM MANAGERS	4738.	2301.	0.4857
413	FARMERS OWNERS $ TENANTS	4647.	2138.	0.4600
414	FARM MANAGERS	90.	163.	1.7975
415	FARM LABORER $ FOREMEN	2830.	1502.	0.5309
416	FARM FOREMEN	20.	32.	1.5989
417	FARM LABORER WAGE WORKER	2045.	1267.	0.6196
418	FARM LABORER UNPAID FAM W	759.	196.	0.2588
419	FARM SERVICE LABOR, SELF	4.	5.	1.1860
420	SERVICE WORKER EX PRI HHD	8716.	12539.	1.4386
421	CLEANING SERVICE WORKER	2281.	3044.	1.3342
422	CHAMBERMAID EX PRV HHD	195.	243.	1.2474
423	CLEANERS $ CHARWOMEN	488.	537.	1.1011
424	JANITOR AND SEXTON	1598.	2263.	1.4160
425	FOOD SERVICE WORKERS	2913.	4933.	1.6931
426	BARTENDERS	456.	286.	0.6289
427	BUSBOYS	127.	78.	0.6163
428	COOKS EX PR HHD	13.	1608.	115.6377
429	DISHWASHERS	184.	446.	2.4276
430	FOOD COUNTER $ FOUNTAIN	219.	225.	1.0249
431	WAITERS	1536.	1722.	1.1210
432	FOOD SERVICE WRKR NEC	376.	564.	1.5009
433	HEALTH SERVICE WORKERS	1262.	1446.	1.1461
434	DENTAL ASSISTANTS	52.	198.	3.8057
435	HEALTH AIDES EX NURSEIN	45.	85.	1.8838
436	HEALTH TRAINEES	104.	16.	0.1577
437	LAY MIDWIFE	0.	0.	0.0000
438	NURSING AIDE ORDERLY	766.	611.	0.7973
439	PRACTICAL NURSES	293.	535.	1.8258
440	PERSONAL SERVICE WORKERS	1404.	1861.	1.3251

EMPLOYMENT AND GROWTH FACTORS, 1960 AND 1970 IN YORK

		1960	1970	1960-70
441	AIRLINE STEWARDESS	17.	0.	0.0000
442	ATTENDANT, RECREAT $ AM	132.	93.	0.7050
443	ATTENDANT, PERS SRV NEC	117.	82.	0.7015
444	BAGGAGE PORTER $ BELLHO	15.	11.	0.7070
445	BARBERS	314.	231.	0.7340
446	BOADING $ LODGING HSEKP	9.	5.	0.6077
447	BOOTBLACKS	27.	13.	0.4725
448	CHILD CARE EX PR HHD	48.	149.	3.1186
449	ELEVATOR OPERATORS	31.	26.	0.8335
450	HAIRDRESSER $ COSMETOL	516.	1002.	1.9400
451	PERSONAL SVC APPRENTICE	2.	1.	0.4864
452	HOUSEKEEPER EX PR HHD	146.	153.	1.0481
453	SCHOOL MONITORS	2.	31.	11.6082
454	USHER, RECREAT $ AMUS	20.	15.	0.7343
455	WELFARE SVC AIDES	0.	44.	45.6379
456	PROTECTIVE SERVICE WORKER	853.	1253.	1.4684
457	CROSSING GUARD $ BRIDGE	38.	50.	1.3254
458	FIREMEN, FIREPROTECTION	71.	120.	1.6834
459	GUARD $ WATCHMEN	480.	621.	1.2930
460	MARSHAL $ CONSTABLE	4.	0.	0.0000
461	POLICEMEN $ DETECTIVES	242.	433.	1.7918
462	SHERIFFS $ BALIFFS	17.	27.	1.5896
463	PRIVATE HOUSE WORKERS	2051.	1010.	0.4926
464	CHILD CARE WORKER PRV HHD	421.	155.	0.3690
465	COOKS PRV HHD	45.	18.	0.4034
466	HOUSEKEEPER PRV HHD	176.	71.	0.4077
467	LAUNDRESS PRV HHD	46.	18.	0.3943
468	MAID $ SERVANT PRV HHD	1360.	746.	0.5483
469	OCCUPATION NOT REPORTED	4208.	11606.	2.7579

NPA PROJECTION METHODOLOGY



REFERENCES

(1). This resulted in the development of a computer-based system under contract with the National Planning Association (NPA), Washington, D.C. The NPA staff responsible for this effort included Joe Won Lee and William B. D. Hong, and their supportive personnel.

(2). Harms, Louis T., Manpower In Pennsylvania, Volume I and II, Commonwealth of Pennsylvania, Department of Community Affairs, Harrisburg, Pennsylvania, 1967.

(3). Arnold, Walter M. (ed.), "Vocational-Technical and Continuing Education in Pennsylvania: A Systems Approach to State-Local Program Planning," a report to the Department of Public Instruction and Pennsylvania State Board of Education, Harrisburg, Pennsylvania, 1969, p. 194.

(4). United States Department of Labor, Bulletin Number 1606, Volume I, Developing Area Manpower Projections, February 1969.

(5). Bureau of the Census, 1970 Occupation and Industry Classification Systems in Terms of Their 1960 Occupation and Industry Elements, July 1972.

(6). The Northeast Region includes the New England States and the Middle Atlantic States of New York, New Jersey and Pennsylvania.

LABOR MARKET AREAS OF PENNSYLVANIA